

[Home](#) / [Courses](#) / [ACCB4017](#) / [Assessment \(Test\)](#) / [Software Development Test \(Friday 1st April\) - BSc/HND group](#)[Daniels Zelinskis](#)**Started on** Friday, 1 April 2022, 11:00 AM**State** Finished**Completed on** Friday, 1 April 2022, 12:28 PM**Time taken** 1 hour 27 mins**Grade** 28.5 out of 60.0 (48%)Question **1**

Correct

Mark 1.0 out of 1.0

What type would Python infer for a variable holding the following value?

4.192

Answer:



The correct answer is: float

Comment:

Correct

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:43	Saved: Floating-point value	Answer saved	
<u>3</u>	1/04/22, 12:23	Saved: Floating point value	Answer saved	
<u>4</u>	1/04/22, 12:28	Attempt finished	Incorrect	0.0
5	1/04/22, 13:40	Manually graded 1 with comment: Correct Gaynor Thomas	Correct	1.0

Question **2**

Correct

Mark 1.0 out of 1.0

What type would Python infer for a variable holding the following value?

-1.23

Answer:



The correct answer is: float

Comment:

Correct

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:19	Saved: Floating-point value	Answer saved	
<u>3</u>	1/04/22, 12:24	Saved: Floating point value	Answer saved	
<u>4</u>	1/04/22, 12:28	Attempt finished	Incorrect	0.0
5	1/04/22, 13:41	Manually graded 1 with comment: Correct <u>Gaynor Thomas</u>	Correct	1.0

Question **3**

Correct

Mark 1.0 out of 1.0

What type would Python infer for a variable holding the following value?

-26.1

Answer:



The correct answer is: float

Comment:

Correct

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:19	Saved: Floating-point value	Answer saved	
<u>3</u>	1/04/22, 12:24	Saved: Floating point value	Answer saved	
<u>4</u>	1/04/22, 12:28	Attempt finished	Incorrect	0.0
5	1/04/22, 13:41	Manually graded 1 with comment: Correct <u>Gaynor Thomas</u>	Correct	1.0

Question **4**

Correct

Mark 1.0 out of 1.0

Is the below a valid Python variable name? (Yes/No) If not, why not?

myPrice = 4.567

Answer:



The correct answer is: Yes

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:03	Saved: Yes	Answer saved	
3	1/04/22, 12:28	Attempt finished	Correct	1.0

Question **5**

Partially correct

Mark 0.5 out of 1.0

Is the below a valid Python variable name? If not, why not?

except = 23

Answer:

No, because except it is a different command



The correct answer is: No

Comment:

I agree it's No, but the reason is that except is a reserved word

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:03	Saved: No, because except it is a different command	Answer saved	
<u>3</u>	1/04/22, 12:28	Attempt finished	Incorrect	0.0
4	1/04/22, 13:41	Manually graded 0.5 with comment: I agree it's No, but the reason is that except is a reserved word <u>Gaynor Thomas</u>	Partially correct	0.5

Question **6**

Correct

Mark 1.0 out of 1.0

Is the below a valid Python variable name? (Yes/No) If not, why not?

`_my_price = 3`

Answer:

Yes, but i prefer write without _ in begin



The correct answer is: Yes

Comment:

Correct

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:06	Saved: Yes, but i prefer write without _	Answer saved	
<u>3</u>	1/04/22, 12:25	Saved: Yes, but i prefer write without _ in begin	Answer saved	
<u>4</u>	1/04/22, 12:28	Attempt finished	Incorrect	0.0
5	1/04/22, 13:42	Manually graded 1 with comment: Correct <u>Gaynor Thomas</u>	Correct	1.0

Question **7**

Complete

Mark 3.0 out of 5.0

What errors are present in the following code listing to do a calculation with two numbers and print the result on the screen? Write your answers in the box below. Line numbers are included for easy reference

```
1 def calculate():
2     total = v1 + v2;
3     print("The total was ")
4
5
6 print("Welcome to my program)
7
8 myValue1 = input()
9 myValue2 = input()
10
11 calculate(myValue1, myValue2)
```

Write your answers here (describe the errors found eg "Missing quotation mark on Line 4")

```
on the line 2 there is 2 mistakes, first v1 its nothing yet, and in the end change ";" to ":"
on the line 6 missing " after word program
on the line 8 and 9 missing int before input
and 11, must be a sign between values if need to calculate them
I would to this

print("Welcome to my program")
print("Type first number")
myValue1 = int(input())
print("Type second number")
myValue2 = int(input())

Total = myValue1 + myValue2

print("The total was", Total)
```

Write your answers here (describe the errors found eg "Missing quotation mark on Line 4")

Comment:

Your answer removes the function! You have got most of the errors, but you need to read up on functions. v1 and v2 need to be passed as parameters to the function and line 3 needs to be indented.

Response history

Step	Time	Action	S
1	1/04/22, 11:00	Started	N a
2	1/04/22, 11:32	Saved: Write your answers here (describe the errors found eg "Missing quotation mark on Line 4") on the line 2 there is 2 mistakes, first v1 its nothing yet, and in the end change ";" to ":" on the line 6 missing " after word program on the line 8 and 9 missing int before input i would to this print("Welcome to my program") print("Type first number") myValue1 = int(input()) print("Type second number") myValue2 = int(input()) Total = myValue1 + myValue2 print("The total was", Total)	A s
3	1/04/22, 12:27	Saved: Write your answers here (describe the errors found eg "Missing quotation mark on Line 4") on the line 2 there is 2 mistakes, first v1 its nothing yet, and in the end change ";" to ":" on the line 6 missing " after word program on the line 8 and 9 missing int before input and 11, must be a sign between values if need to calculate them I would to this print("Welcome to my program") print("Type first number") myValue1 = int(input()) print("Type second number") myValue2 = int(input()) Total = myValue1 + myValue2 print("The total was", Total)	A s
4	1/04/22, 12:28	Attempt finished	C
5	21/04/22, 12:11	Manually graded 3 with comment: Your answer removes the function! You have got most of the errors, but you need to read up on functions. v1 and v2 need to be passed as parameters to the function and line 3 needs to be indented. Gaynor Thomas	C

Question **8**

Correct

Mark 2.0 out of 2.0

How many iterations does the following loop have?

```
for i in range(1, 6):  
    print("Hello")
```

Answer:



The correct answer is: 5

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:39	Saved: 1, 4, 9, 16, 25	Answer saved	
<u>3</u>	1/04/22, 11:39	Saved:	Not yet answered	
<u>4</u>	1/04/22, 11:41	Saved: 5	Answer saved	
5	1/04/22, 12:28	Attempt finished	Correct	2.0

Question **9**

Incorrect

Mark 0.0 out of 2.0

How many iterations does the following loop have?

```
for counter in range(2, 8):  
    print("Hello")
```

Answer:



The correct answer is: 6

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:41	Saved: 7	Answer saved	
3	1/04/22, 12:28	Attempt finished	Incorrect	0.0

Question **10**

Incorrect

Mark 0.0 out of 3.0

What is the value of variable *total* after the following code is executed?

```
total=1

for x in range (0,9):
    total=total + x

    if x == 5:
        total = 0
```

Answer:

✘

The correct answer is: 21

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 12:24	Saved: 0	Answer saved	
3	1/04/22, 12:28	Attempt finished	Incorrect	0.0

Question **11**

Correct

Mark 0.5 out of 0.5

Given the following values $x=5$, $y=3$, $z=12$ is the statement below true or false?

$x < z/y$

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:05	Saved: False	Answer saved	
3	1/04/22, 12:28	Attempt finished	Correct	0.5

Question **12**

Correct

Mark 0.5 out of 0.5

Given the following values $x=5$, $y=3$, $z=12$ is the statement below true or false?

$z = y*4$

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:05	Saved: True	Answer saved	
3	1/04/22, 12:28	Attempt finished	Correct	0.5

Question **13**

Correct

Mark 0.5 out of 0.5

Given the following values $x=5$, $y=3$, $z=12$ is the statement below true or false?

$x > z/y$

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:05	Saved: True	Answer saved	
3	1/04/22, 12:28	Attempt finished	Correct	0.5

Question **14**

Correct

Mark 0.5 out of 0.5

Given the following values $x=5$, $y=3$, $z=12$ is the statement below true or false?

$x*z > x*y$

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Response history

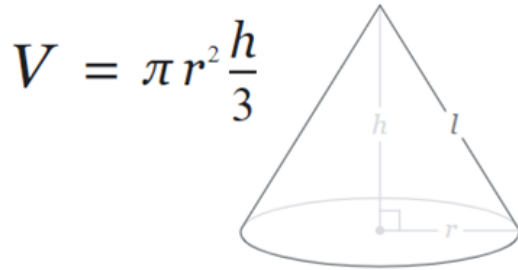
Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:07	Saved: True	Answer saved	
3	1/04/22, 12:28	Attempt finished	Correct	0.5

Question **15**

Complete

Mark 6.0 out of 10.0

The volume of a cone is calculated using the formula:

**Task:**

Write a program to calculate the volume using the above formula.

Allow the user to enter the measurements for r and h . Both r and h should be positive numbers. You can set pi to 3.142

Print the volume on the screen to 2 decimal places

Write your program using Python/PyCharm (or any other Python editor you may favour)

Copy and paste your code into the box below for submission.

```

print("Please enter the radius:")
number1 = float(input())

Total = (number1 ** 2) * (3.142 / 3)
print("The area of the circle is:", Total)

print("Please enter height")
number1 = float(input())

print("Please enter radius:")
number2 = float(input())

Total1 = (number2 ** 2) * 3.142 * number1
print("Volume is:", Total1)

```

Comment:

I'm not entirely sure why you have two calculations?

Also, you need to validate to make sure that base and height are positive

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:51	Saved: print("Please enter the radius:") number1 = float(input()) Total = (number1 ** 2) * (3.142 / 3) print("The area of the circle is:", Total) print("Please enter height") number1 = float(input()) print("Please enter radius:") number2 = float(input()) Total1 = (number2 ** 2) * 3.142 * number1 print("Volume is:", Total1)	Answer saved	

Step	Time	Action	State	Marks
3	1/04/22, 12:28	Attempt finished	Complete	
4	21/04/22, 15:15	Manually graded 6 with comment: I'm not entirely sure why you have two calculations? Also, you need to validate to make sure that base and height are positive Gaynor Thomas	Complete	6.0

Question **16**

Complete

Mark 5.0 out of 15.0

A salesman wants to calculate the number of miles he has covered in the last working week (Monday to Friday), and also the new total mileage for his car which was 8600 miles at the beginning of the week.

Start by declaring an empty list eg

miles = []

- 1. Prompt the user to enter the five mileage figures for the week into the list.**
- 2. Print each of the mileage figures on the screen.**
- 3. Calculate the total mileage for the week.**
- 4. Calculate the new mileage for the car (it was 8600 at the start of the week)**

Use loops where appropriate

Sample output:

Enter next day's miles: 34.5

Enter next day's miles: 67.8

Enter next day's miles: 45

Enter next day's miles: 56.2

Enter next day's miles: 21.3

Here are the daily miles covered:

34.5 67.8 45.0 56.2 21.3

The total mileage for the week was: 224.8

New total mileage for the car is: 8824.8

Write your program using Python/PyCharm (or any other Python editor you may favour)

Copy and paste your code into the box below for submission.

```
print("Enter next day's miles")
day1 = float(input())
print("Enter next day's miles")
day2 = float(input())
print("Enter next day's miles")
day3 = float(input())
print("Enter next day's miles")
day4 = float(input())
print("Enter next day's miles")
day5 = float(input())

print("Here are the daily miles covered:")
print(day1, day2, day3, day4, day5)

Total1 = day1 + day2 + day3 + day4 + day5
print("The total mileage for the week was:", Total1)

Total2 = 8600 + Total1
print("New total mileage for the car is:", Total2)
```

Comment:

Although you have got an answer, you have not used the miles[] list or any loops. You might also consider validation so that miles aren't negative (implicit in the question)

Have another read over using loops with lists - this is the core of this question.

Response history

Step	Time	Action	State	Marks
1	1/04/22, 11:00	Started	Not yet answered	

Step	Time	Action	State	Marks
2	1/04/22, 12:15	Saved: print("Enter next days miles") day1 = float(input()) print("Enter next days miles") day2 = float(input()) print("Enter next days miles") day3 = float(input()) print("Enter next days miles") day4 = float(input()) print("Enter next days miles") day5 = float(input()) print("Here are the daily miles covered:") print(day1, day2, day3, day4, day5) Total1 = day1 + day2 + day3 + day4 + day5 print("The total mileage for the week was:", Total1) Total2 = 8600 + Total1 print("New total mileage for the car is:", Total2)	Answer saved	
3	1/04/22, 12:28	Attempt finished	Complete	
4	21/04/22, 16:06	Manually graded 5 with comment: Although you have got an answer, you have not used the miles[] list or any loops. You might also consider validation so that miles aren't negative (implicit in the question) Have another read over... Gaynor Thomas	Complete	5.0

◀ Software Development Test (Monday 28th March) - Monday group

Jump to...

Software Development Test - for Joe ►

Question **17**

Complete

Mark 5.0 out of 15.0

Task: Write a function called *entermeasurement()* to allow the user to enter a measurement for a parcel - length, width and height in turn. The function should be called 3 times, once for each of the measurements, and the value entered returned to the main program.

Print the measurements entered from the main program, then print the volume of the parcel (length * width * height)

Sample output:

Enter your next measurement:

12.5

Enter your next measurement:

18.2

Enter your next measurement:

6.5

The measurements you entered (length/width/height) were: 12.5 18.2 6.5

The volume of the parcel is: 1478.75

Write your program using Python/PyCharm (or any other Python editor you may favour)

Copy and paste your code into the box below for submission.

```
print("Enter your next measurement:")
number1 = float(input())

print("Enter your next measurement:")
number2 = float(input())

print("Enter your next measurement:")
number3 = float(input())

print("The measurements you entered (length/width/height) were:", number1, number2, number3)
volume = number1 * number2 * number3
print("The volume of the parcel is:", volume)
```

Comment:

You haven't used a function at all here which was the core of the question

Response history

Step	Time	Action	State	Marks
<u>1</u>	1/04/22, 11:00	Started	Not yet answered	
<u>2</u>	1/04/22, 11:59	Saved: print("Enter your next measurement:") number1 = float(input()) print("Enter your next measurement:") number2 = float(input()) print("Enter your next measurement:") number3 = float(input()) print("The measurements you entered (length/width/height) were:", number1, number2, number3) volume = number1 * number2 * number3 print("The volume of the parcel is:", volume)	Answer saved	
<u>3</u>	1/04/22, 12:28	Attempt finished	Complete	
4	21/04/22, 17:00	Manually graded 5 with comment: You haven't used a function at all here which was the core of the question Gaynor Thomas	Complete	5.0