

Exam_2024462

Part One

1. A) 24.32 – float
-2345 – integer (negative)
Baggage – string
-34.62 – float (negative)
-56 – integer (negative)

B)

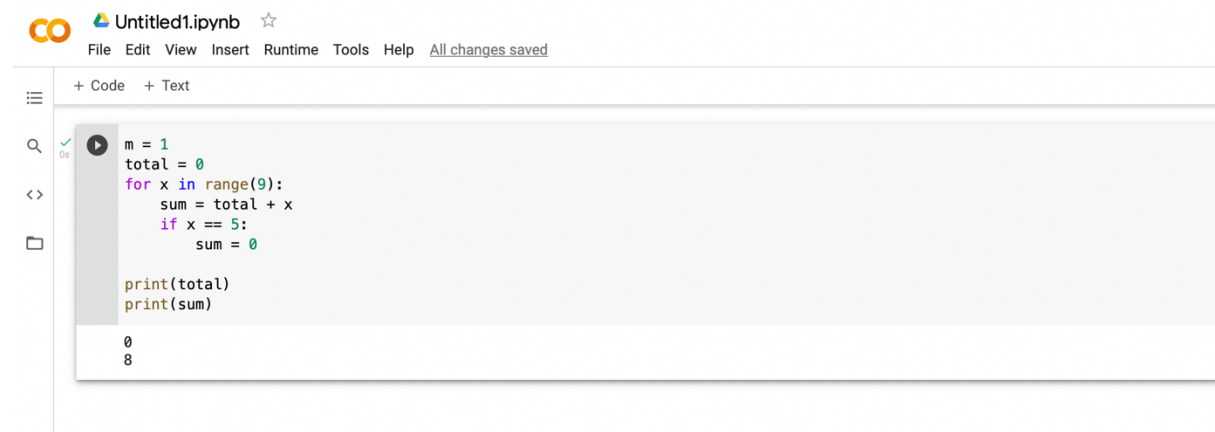
```
print("Enter a number")
n = int(input())
if n % 2:
    print("The given number", n, "is Even number")
else:
    print("The given number", n, "is Odd")
```

1. C) i) for l in range (50): print(i) = 50
ii) for l in range (0,10,2): print(i) = 5

1. D)

```
m = 1
total = 0
for x in range(9):
    sum = total + x
    if x == 5:
        sum = 0
```

```
print(total)
print(sum)
```



The screenshot shows a Jupyter Notebook window titled 'Untitled1.ipynb'. The interface includes a top menu bar with 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. Below the menu is a toolbar with icons for running code, saving, and other actions. The main area displays a code cell with the following Python code:

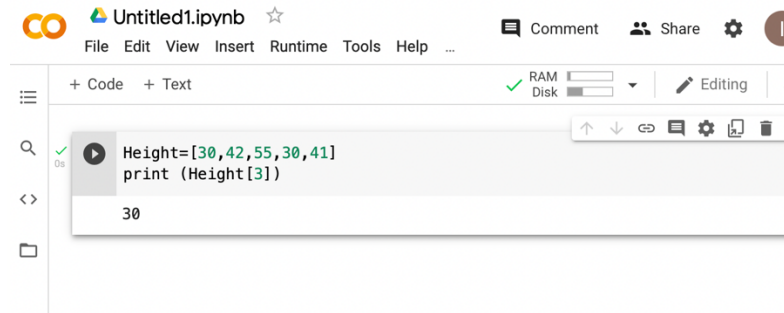
```
m = 1
total = 0
for x in range(9):
    sum = total + x
    if x == 5:
        sum = 0

print(total)
print(sum)
```

The output of the code cell is displayed below the code, showing the values 0 and 8 on separate lines.

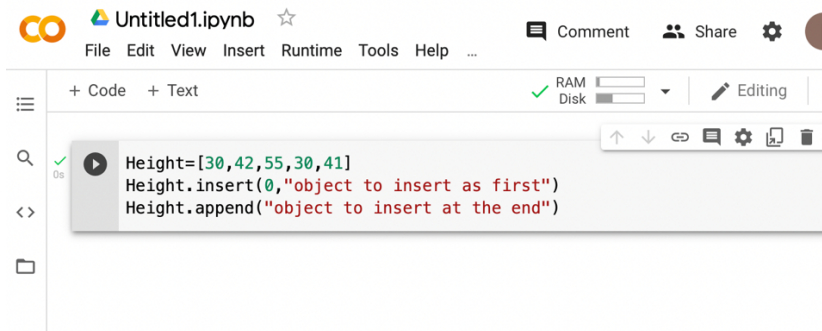
- E) i)

```
Height=[30,42,55,30,41]
print (Height[3])
```

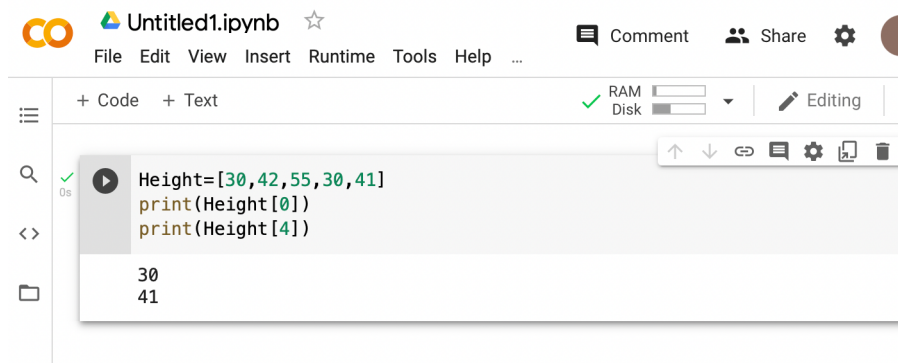


A screenshot of a Jupyter Notebook interface. The title bar shows 'Untitled1.ipynb' with a star icon. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. The toolbar has '+ Code' and '+ Text' buttons, a RAM/Disk status indicator, and an 'Editing' mode button. The code cell contains the following Python code: `Height=[30,42,55,30,41]` and `print (Height[3])`. The output cell shows the value `30`.

ii)



A screenshot of a Jupyter Notebook interface. The title bar shows 'Untitled1.ipynb' with a star icon. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. The toolbar has '+ Code' and '+ Text' buttons, a RAM/Disk status indicator, and an 'Editing' mode button. The code cell contains the following Python code: `Height=[30,42,55,30,41]`, `Height.insert(0,"object to insert as first")`, and `Height.append("object to insert at the end")`. The output cell is empty.

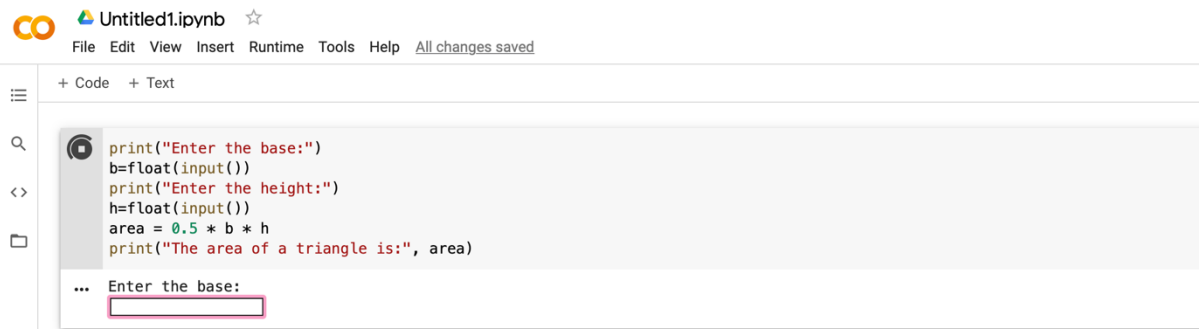


A screenshot of a Jupyter Notebook interface. The title bar shows 'Untitled1.ipynb' with a star icon. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. The toolbar has '+ Code' and '+ Text' buttons, a RAM/Disk status indicator, and an 'Editing' mode button. The code cell contains the following Python code: `Height=[30,42,55,30,41]`, `print(Height[0])`, and `print(Height[4])`. The output cell shows the values `30` and `41`.

Part TWO

1.

```
print("Enter the base:")
b=float(input())
print("Enter the height:")
h=float(input())
area = 0.5 * b * h
print("The area of a triangle is:", area)
```



```
print("Enter the base:")
b=float(input())
print("Enter the height:")
h=float(input())
area = 0.5 * b * h
print("The area of a triangle is:", area)
```

... Enter the base:

2.

```
height = [134,145,134,122,121,141,170,180]
print (height)
height.insert(1,190)
print (height)
print ("The item in the height list are :",len(height))
height.sort()
print (height)
height.reverse()
print (height)
```

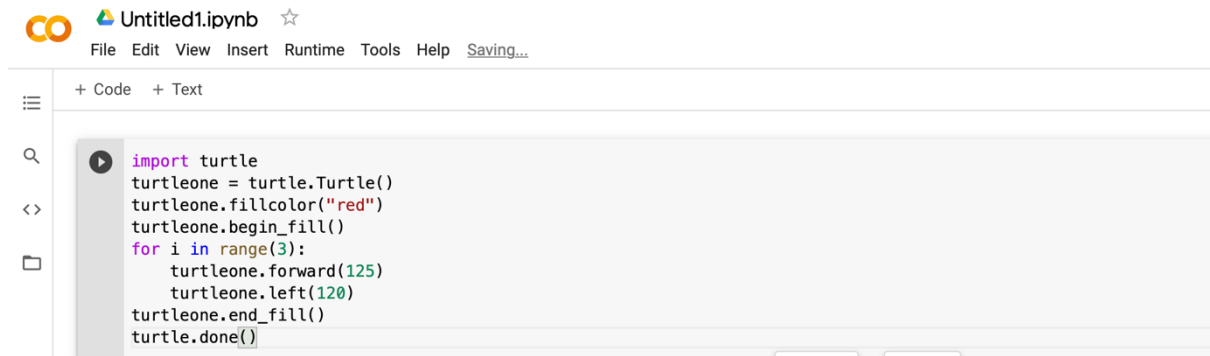


```
height = [134,145,134,122,121,141,170,180]
print (height)
height.insert(1,190)
print (height)
print ("The item in the height list are :",len(height))
height.sort()
print (height)
height.reverse()
print (height)
```

[134, 145, 134, 122, 121, 141, 170, 180]
[134, 190, 145, 134, 122, 121, 141, 170, 180]
The item in the height list are : 9
[121, 122, 134, 134, 141, 145, 170, 180, 190]
[190, 180, 170, 145, 141, 134, 134, 122, 121]

3. A.

```
import turtle
turtleone = turtle.Turtle()
turtleone.fillcolor("red")
turtleone.begin_fill()
for i in range(3):
    turtleone.forward(125)
    turtleone.left(120)
turtleone.end_fill()
turtle.done()
```



CO Untitled1.ipynb ☆

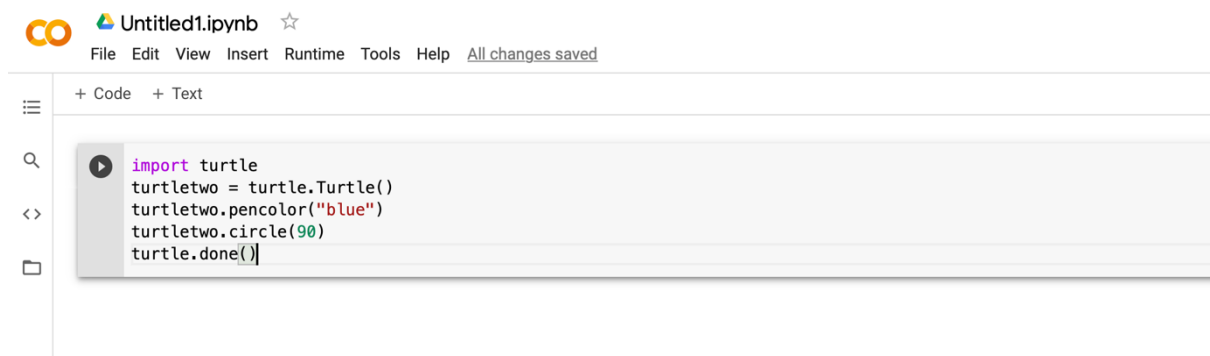
File Edit View Insert Runtime Tools Help [Saving...](#)

+ Code + Text

```
import turtle
turtleone = turtle.Turtle()
turtleone.fillcolor("red")
turtleone.begin_fill()
for i in range(3):
    turtleone.forward(125)
    turtleone.left(120)
turtleone.end_fill()
turtle.done()
```

b)

```
import turtle
turtletwo = turtle.Turtle()
turtletwo.pencolor("blue")
turtletwo.circle(90)
turtle.done()
```



CO Untitled1.ipynb ☆

File Edit View Insert Runtime Tools Help [All changes saved](#)

+ Code + Text

```
import turtle
turtletwo = turtle.Turtle()
turtletwo.pencolor("blue")
turtletwo.circle(90)
turtle.done()
```