MODULE CODE: ACCB4017 SOFTWARE DEVELOPMEN

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1. a) What variable type would Python infer for the following values”

24.32 ……..……..…

-2345 ……..……

Baggage ……..……..…

-34.62 ……..……..…

-56 ……..……

1 b) What errors are present in the following program to calculate the odd or even number?

```
print("Enter a number")
num =int(input())
if (num %2 == 0)
 print("The given number ", num, "is Even number")
else
 print("The given number ", num, "is Odd"
```

1 c) How many iterations do the following loops have?

i) for i in range(50): print(i) ……..…

ii) for i in range(0,10,2): print(i) ……..…

1. d) What is the value of the integer variable total after the following code is executed

```
for i in range(9):
    print(i)
```

2. Using Turtle Using Python with turtle, draw the following shape

a. A triangle (filled with red colour)

```
import turtle
tr = turtle.Turtle()
tr.fillcolor('red')
tr.begin_fill()
for i in range(3):
    tr.forward(200)
    tr.left(120)
tr.end_fill()
turtle.done()
```

b. A Circle outlined in blue

```
import turtle
tr = turtle.Turtle()
tr.fillcolor('blue')
tr.begin_fill()
tr.circle(100)
tr.end_fill()
turtle.done()
```