⟳Online Assessment

Online Assessment

1 Assignment 1

RETURN TO ASSESSMENT LIST

Part 1 of 3 - Assignment 1 - Part 1 (Unit 1)   5.0 Points

Question 1 of 15

1.0 Points

What formatting is used for the user input?

```
#This is comment
#this is input
nNumber1=int(input('Please enter the number of learners in the school : '))
nNumber2=int(input('Please enter the number of educators in the school : '))
#this is the processing
nTotal= nNumber1+nNumber2
#this is the output
print('The total number of people at school is : ', nTotal)
```

- ○ **A.** `int`

- ○ **B.** no formatting used

- ○ **C.** #

- ○ **D.** input

Question 2 of 15

1.0 Points

What is the output from the code executed?

```
#add 2 numbers and show the result

#input
myMoney=1200.50
yourMoney=23000.78
#processing
thetotal=myMoney+yourMoney
#output
print('The value money is :', thetotal)
```

- ○ **A.** `The value money is : 24201`

- ○ **B.** The value money is : 24201.28

- ○ **C.** The value money is : 24200

- ○ **D.** 24201.28

1.0 Points

What is the output from the following code?

```
#calculate the area of a rectangle
#input
length=int(input('Please enter the length of the rectangle: '))
breadth=float(input('Please enter the breadth of the rectangle: '))
#process
area=length*breadth
#output
print('The area in square meters is:', area)
```

- ○ **A.** Please enter the length of the rectangle: 12
  Please enter the breadth of the rectangle: 12
  The area in square meters is: 72.0

- ○ **B.** Please enter the length of the rectangle: 12
  Please enter the breadth of the rectangle: 12
  The area in square meters is: 144.0

- ○ **C.** Please enter the length of the rectangle: 12
  Please enter the breadth of the rectangle: 12
  The area in square meters is: 72

- ○ **D.** Please enter the length of the rectangle: 12
  Please enter the breadth of the rectangle: 12
  The area in square meters is: 144

1.0 Points

What will be the output from the following code?

```
#input
fDistance=float(input('Input the distance travelled (km) : '))
fHours=float(input('Input the hours travelled (hours) : '))
#processing
fSpeed=fDistance/fHours
#output
print('Your speed is (km/h) : %.2f ' %fSpeed)
```

- ○ **A.** Input the distance travelled (km) : 560
  Input the hours travelled (hours) : 3
  Your speed is (km/h) : 187

- B. Input the distance travelled (km) : 560
  Input the hours travelled (hours) : 3
  Your speed is (km/h) : 186

- C. syntax error

- D. Input the distance travelled (km) : 560
  Input the hours travelled (hours) : 3
  Your speed is (km/h) : 186.67

Question 5 of 15

1.0 Points

For the given input, the output will be _____

```
#How many books does each learner receive?
#This is the input
a=int(input('Please enter the number of books issued to the school : '))
b=int(input('Please enter the number of learners in the school: '))
#this is the processing
thetotal=a//b
theremain=a%b
#this is the output
print('The value is:', thetotal)
print('The remainder is:', theremain)
```

- A. Please enter the number of books issued to the school : 400
  Please enter the number of learners in the school: 55
  The value is: 7
  The remainder is: 0

- B. Please enter the number of books issued to the school : 400
  Please enter the number of learners in the school: 55
  The value is: 7
  The remainder is: 15

- C. Please enter the number of books issued to the school : 400
  Please enter the number of learners in the school: 55
  The value is: 17
  The remainder is: 5

- D. Please enter the number of books issued to the school : 400
  Please enter the number of learners in the school: 55
  The value is: 0
  The remainder is: 15.8987654

Part 2 of 3 - Assignment 1 - Part 2 (Unit 2)   5.0 Points

Question 6 of 15

1.0 Points

What is the output from this program, given the input presented?

```
#input
nTemp=int(input('Please input your temperature reading : '))
#process
if (nTemp >= 37):
```

```
#output
print('Please go for a COVID TEST NOW!')
```

- ○ **A.** Please input your temperature reading : 38

- ○ **B.** Please input your temperature reading : 38 #output

- ○ **C.** Please input your temperature reading : 38 Please go for a COVID TEST NOW!

- ○ **D.** Please input your temperature reading : 38 #output Please go for a COVID TEST NOW!

1.0 Points

What is the output from the execution? The age is 65.

```
nCost=0
nAge=int(input('Please enter your age : '))
if (nAge < 15):
    nCost=0
elif (nAge < 21):
    nCost=10
elif (nAge < 65):
    nCost=35
else:
    nCost=0
print('The cost is : ', nCost)
```

- ○ **A.** `Please enter your age : 65`
  `The cost is :   0`

- ○ **B.** `Please enter your age : 65`
  `The cost is :   35`

- ○ **C.** `Please enter your age : 65`
  `The cost is :   20`

- ○ **D.** `Please enter your age : 65`
  `The cost is :   10`

1.0 Points

What is the output from the following code execution?

```
#Guess a number
nMyNumber = 37
nYourNumber = int(input('Input your integer number :'))
if nMyNumber = nYourNumber:
    print('Correct well done!')
else:
    print('Sorry try again!'
```

- ○ **A.** Syntax error

- ○ **B.** `Input your integer number :37`
  `Correct well done!`

- ○ **C.** There is not output generated.

- ○ **D.** `Input your integer number :37`
  `Sorry try again!`

Question 9 of 15

What is the output from the execution of this code?

```
#input
theWeather='Rain'
#process
if (theWeather == 'rain'):
    #output
    print('Please use an umbrella')
```

- ○ **A.** no output is generated.

- ○ **B.** `Please use an umbrella`

- ○ **C.** syntax error

- ○ **D.** `Please use an umbrella!!!!!`

Question 10 of 15

In the following code, the data type for the variable drinkCoffee is _____

```
if myCoffee.upper() =='Y':
    drinkCoffee = True
else:
    drinkCoffee = False
```

- ○ **A.** float

- ○ **B.** boolean

- ○ **C.** integer

- ○ **D.** upper

Part 3 of 3 - Assignment 1 - Part 3 (Unit 3)   5.0 Points

Question 11 of 15

What is the output from the execution of the following code?

```
for icount in range(1,10,3):
    print(icount)
```

```
    #print('in loop')
#print('hello out loop \n')
```

- ○ **A.** 1

  11

  14

- ○ **B.** 1

  10

  3

- ○ **C.** syntax error

- ○ **D.** 1

  4

  7

1.0 Points

Describe the function of the following code:

```
nTotal=0
#student number has 8 digits!
for icount in range (1,9,1):
    ndigit=int(input('enter the next digit in your student number : '))
    nTotal = nTotal + ndigit
print('the total is : ', nTotal)
```

- ○ **A.** The code concatenates the digits in your student number.

- ○ **B.** The code contains a syntax error.

- ○ **C.** The code displays the digits in your student number.

- ○ **D.** The code adds the digits in your student number.

1.0 Points

When the number (count) of iterations is not known before the looping begins, a _____ looping structure is recommended.

- ○ **A.** if

- ○ **B.** else

- ○ **C.** while

- ○ **D.** for

What is the output from the following execution?   1.0 Points

```
istart=3
iend=10
for icount in range(istart,iend,5):
    print(icount)
```

- ○ **A.** 3

  8

- ○ **B.** 3

  13

  18

- ○ **C.** 3

  10

  5

- ○ **D.** syntax error

1.0 Points

What is the output from the following code?

```
for icount in range(10, 1, 2):
    print(icount)
    print('in loop')
#print('hello out loop \n')
```

- ○ **A.** syntax error

- ○ **B.** there is not output

- ○ **C.** 10

  1

  2

- ○ **D.** 10

  11

  13