



Points:
0/1

1. A classmate has asked you to debug the following code: Check if the output is correct

```
x = 4
while x >= 1:
    if x % 4 == 0:
        print ("Superman")
    elif x - 2 < 0:
        print("Batman")
    elif x/3 == 0:
        print("Wonderwoman")
    else:
        print("Cyborg")
    x=x-1
```

Output is:

```
Superman
Cyborg
Cyborg
Batman
```

- ☐ Yes ✓
- ☐ No



Points:
0/1

2. How many stars (*) does the following snippet print?

```
i = 10
while i > 0 :
    i -= 3
    print("")
    if i <= 3:
        break
else:
    print("")
```

- ☐ Two
- ☒ Three ✓
- ☐ One
- ☐ The code is erroneous



Points:
0/2

3. Relecloud Virtual Learning asks you to debug some code that is causing problems with their payroll. They ask you to find the source of the payroll errors. Which code should you use to fix the errors? To answer, select the appropriate code segments in the answer area.

```
employee_pay = [15000, 120000, 35000, 45000]
count = 0
sum = 0
for index in range(0, len(employee_pay)-1)):
    count +=1
    sum += employee_pay[index]
average = sum//count
print("The total payroll is:", sum )
print("The average salary is:", average)
```

- Select -



Correct answer: Line 4: (len(employee_pay)): and Line 7: sum/count



Points:
0/1

4. What is the expected output of the following snippet?

```
a = 0
b = a ** 0
if b < a + 1:
    c = 1
elif b == 1:
    c = 2
else:
    c = 3
print(a + b + c)
```

- ☐ 1
- ☐ 2
- ☒ The code is erroneous ✓
- ☐ 3



Points:
0/1

5. The symbol is used to assign values to variables.

- ☐ ==
- ☒ = ✓
- ☐ <>
- ☐ >>



Points:
0/1

6. The class keyword marks the beginning of the class definition

- Select - ✖

Correct answer: True



Points:
0/1

7. For the given code, finish the missing line

```
Start = input("How old were you on your start date?")
end = input("How old are you today?" )
```

- ☐ print("congratulation on" + int(end-start) + "years of service!")
- ☐ print("congratulation on" + str(end - int(start)) + "years of service!")
- ☐ print("congratulation on " + (int(end)-int(start)) + "years of service!")
- ☒ print("congratulation on" + str(int(end)-int(start)) + "years of service!") ✓



Points:
0/2

8. Which data types store numeric values. They are created when you assign a value to them.

- ☐ str
- ☒ long ✓
- ☐ bool
- ☒ int ✓



Points:
0/5

9. In which order should you arrange the code segments to develop the solution?


A - `for i in range(len(items)):`

B - `if items[i]==term:
 print("{0} was found in the list." format(term))`

C - `break`

D - `def search(items,term):`

E - `else:
 print("{0} was not found in the list." .format(term))`

- Select -  

Correct answer: D,A,B,C,E



Points:
0/1

10. How many lines does each of the following code examples output when run separately?

Example 1

```
for i in range(1, 4, 2):  
    print("***")
```

Example 2

```
for i in range(1, 4, 2):  
    print("", end="")
```

Example 3

```
for i in range(1, 4, 2):  
    print("", end="***")
```

Example 4

```
for i in range(1, 4, 2):  
    print("", end="***")  
print("****")
```

- ☐ Example 1: two, Example 2: one, Example 3: two, Example 4: three
- ☐ Example 1: one, Example 2: one, Example 3: one, Example 4: two
- ☐ Example 1: two, Example 2: one, Example 3: one, Example 4: two
- ☒ Example 1: two, Example 2: one, Example 3: one, Example 4: one ✓



11. An object variable is a variable that is stored separately in every object

Points:
0/1

- Select -

Correct answer: False



12. What is the output of print statements in series for the given program?

Points:
0/1

```
Name = "Boss Baby"
Age = 2.4
Male = True
Female = False
weight = 15
UID = 'EBC1233'
print(type(Name))
print(type(Age))
print(type(Male))
print(type(Female))
print(type(weight))
print(type(UID))
```

```
<class 'bool'>
<class 'float'>
<class 'bool'>
<class 'str'>
<class 'str'>
<class 'int'>
```

```
<class 'str'>
<class 'float'>
<class 'bool'>
<class 'bool'>
<class 'int'>
<class 'str'>
```

```
<class 'bool'>
<class 'float'>
<class 'str'>
<class 'str'>
<class 'str'>
<class 'bool'>
<class 'int'>
```

```
<class 'bool'>
<class 'str'>
<class 'str'>
<class 'float'>
<class 'bool'>
<class 'int'>
```



13. You are writing a function that increments the player score in a game. The function has the following requirements: (1) If no value is specified for points, then points start at one. (2) If bonus is True, then points must be doubled. You write the following code. Line numbers are included for reference only.

Points:
0/1

```
01 def increment_score(score, bonus, points):
02     if bonus == True:
03         points = points * 2
04         score = score + points
05     return score
06 points = 5
07 score = 10
08 new_score = increment_score(score, True, points)
```

To meet the requirements, line 01 must be changed to the following:
def increment_score(score, bonus, points = 1):

- ☐ No
☒ Yes ✓



14. An object cannot contain any references to other objects

Points:
0/1

- Select -

Correct answer: False



Points:
0/1

15. What is the expected output of the following snippet?

```
s = "Hello, Python!"  
print(s[-14:15])
```

- ☐ Hello, Python!Hello, Python!
- ☐ The program causes a runtime exception/error
- ☐ The result cannot be predicted
- ☒ Hello, Python! ✓
- ☐ !nohtyP ,olleH!nohtyP ,olleH
- ☐ !nohtyP ,olleH



Points:
0/1

16. Select the code segment/segments that prints the output without decimal points.

- ☐ average_speed = total_distance/time
- ☐ average_speed = float(total_distance//time)
- ☒ average_speed = int(total_distance/time) ✓
- ☒ average_speed = total_distance//time ✓



Points:
0/1

17. What is the output of print statement?

```
S1 = 'Indian Army is our Pride'  
print(len(S1))
```

- ☐ 23
- ☐ 25
- ☒ 24 ✓
- ☐ 21



Points:
0/1

18. What is the output of print statement?

```
S1 = 'Indian Army is our Pride'  
print(S1[3:23:5])
```

- ☒ Irs ✓
- ☐ " "
- ☐ Indian Army is our P
- ☐ I A s e



Points:
0/1

19. What is the expected behavior of the following snippet?

```
def gen():  
    lst = range(5)  
    for i in lst:  
        yield i*i  
  
for i in gen():  
    print(i, end="")
```

- ☒ It will print: 0 1 4 9 16 ✓
- ☐ It will print:
- ☐ It will print an empty line
- ☐ It will cause a runtime exception/error
- ☐ It will print: 0""1""4"" 9""16



Points:
0/1

20. What is the output of print statement?

```
S1 = 'Indian Army is our Pride'  
print(S1[:19])
```

- ☐ Indian Army is our P
- ☐ " "
- ☒ Indian Army is our ✓
- ☐ r



Points:
0/1

21. What is the expected behavior of the following snippet?

```
s = 'SPAM'  
def f(x):  
    return s + 'MAPS'  
print(f(s))
```

- ☐ It will print: MAPS
- ☐ It will print: None
- ☐ It will cause a runtime exception/error
- ☐ It will print: SPAM MAPS
- ☐ It will print: SPAM
- ☐ It will print an empty line
- ☒ It will print: SPAMMAPS ✓



Points:
0/1

22. What snippet would you insert in the line indicated below.

```
n = 0  
while n < 4:  
    n += 1  
    # insert your code here
```

to print the following string to the monitor after the loop finishes its execution:

Output:

1 # 2 # 3 # 4 #

- ☐ print(n, " # ")
- ☐ print(n, sep=" ")
- ☐ print(n)
- ☒ print(n, end=" # ") ✓



Points:
0/1

23. You are writing a Python program to calculate the average of marks scored in 3 subjects. Printed output should with decimals truncated to 2. Find the missing code line.

- ☒ print("Your average score of 3 subjects is = %0.2f" %Avg) ✓
- ☐ print("Your average score of 3 subjects is =" float(Sum/3))
- ☐ print("Your average score of 3 subjects is =" Avg)
- ☐ print("Your average score of 3 subjects is = %f" %Avg)



Points:
0/2

24. You need to complete a function that computes and displays all multiplication table combinations from 2 to 12. How should you complete the code?

```
def times_tables():  
    1-----  
    2-----  
  
    print(row*col,end=" ")  
    print()  
times_tables()
```

```
for row in range(2, 13):  
    for col in range(2, 13):
```

```
for col in range(2, 13):  
    for row in range(2, 13):
```

```
for row in range(2, 13):  
    for col in range(2, 13):
```

```
for col in range(2, 13):  
    for row in range(2, 13):
```



Points:
0/4

25. In which order should you arrange the code segments to develop the solution?

A - `else:`

B - `while (count < 3):`
 `count = count + 1`
 `print("count")`

C - `count = 0`

D - `print("No count")`

- Select -



Correct answer: C,B,A,D



Points:
0/1

26. Types of commenting available in python?

- ☐ Multi-line comments
- ☐ Single line comments
- ☒ All of the above ✓
- ☐ inline comments



Points:
0/1

27. Find the data type for the below mentioned data. Select the right answers in the options.

type(1334E452)

type(145)

type(17.235)

type("True")

type("Alpha")

☐ int

float

float

bool

bool

☐ float

int

float

str

str



☐ int

str

float

float

str

☐ float

str

bool

bool

int



Points:
0/1

28. What is the correct order of operations for the six classes of operations ordered from first to last in order of precedence?

Paranthesis || Exponents || Multiplication and Division || Unary positive, negative, not || Addition and Subtraction || And

- Select -



Correct answer: Paranthesis || Exponents || Unary positive, negative, not || Multiplication and Division || Addition and Subtraction || And



Points:
0/1

29. What will the final value of the Val variable be when the following snippet finishes its execution?

Val = 1

Val2 = 0

Val = Val ^ Val2

Val2 = Val ^ Val2

Val = Val ^ Val2

print(Val)

- ☐ 2
- ☒ 0 ✓
- ☐ The code is erroneous
- ☐ 1



Points:
0/1

30. _____ contains items separated by commas and enclosed within square brackets ([]).

- ☒ List ✓
- ☐ Strings
- ☐ Tuples
- ☐ Arrays



Points:
0/3

31. The following code snippet when run

```
f = open("file.txt", "w")
```

```
f.close()
```

(select all that apply):

- ☐ raise the FileNotFoundError exception if the file does not exist
- ☐ leave the file contents unchanged if the file file.txt already exists
- ☒ open the file file.txt in write mode ✓
- ☒ create the file file.txt if it does not exist ✓
- ☒ delete the file contents if the file file.txt already exists ✓



Points:
0/1

32. Does the given statement outputs True/Falls

```
li = [1,2,3,'a','b','c']
```

```
'a' in li
```

- ☒ True ✓
- ☐ False



Points:
0/2

33. You develop a Python application for your school. A list named colors contains 500 colors. You need to slice the list to display every other color starting with the second color.

- ☒ colors[1::2] ✓
- ☒ colors[1:500:2] ✓
- ☐ colors[2:2]
- ☐ colors[1:2]



Points:
0/1

34. A class may define an object

- Select - ✖

Correct answer: True



Points:
0/1

35. What is the output of print statement?

```
S1 = 'Indian Army is our Pride'  
print(S1[6:19])
```

- ☒ Army is our ✓
- ☐ None of the above
- ☐ n Army is our P
- ☐ n Army is our



Points:
0/1

36. What is the output for given print statement

```
Sweet = ["Jaleebi", "darwadpeda", "champakali"]  
print(Sweet*3)
```

- ☒ ['Jaleebi', 'darwadpeda', 'champakali', 'Jaleebi', 'darwadpeda', 'champakali', 'Jaleebi', 'darwadpeda', 'champakali'] ✓
- ☐ SweetSweetSweet
- ☐ [['Jaleebi', 'darwadpeda', 'champakali'], ['Jaleebi', 'darwadpeda', 'champakali'], ['Jaleebi', 'darwadpeda', 'champakali']]
- ☐ ['Jaleebi', 'darwadpeda', 'champakali']



Points:
0/2

37. You develop a Python application for your company. How should you complete the code so that the print statements are accurate? To answer. select the appropriate code segments in the answer area.

```
numList =[1,2,3,4,5]  
alphaList=["a","b","c","d","e"]  
1.....  
print("The values in numList are not equal to alphaList")  
2.....  
print("The values in numList are equal to alphaList")
```

- ☐ 1. if numList == alphaList: & 2. elif numList != alphaList:
- ☐ 1. if numList == alphaList: & 2. else:
- ☒ 1 if numList != alphaList: & 2. else: ✓
- ☐ 1. if numList != alphaList: & 2. if alphaList



Points:
0/1

38. A constructor is used to instantiate an object

- Select - ✖

Correct answer: True



Points:
0/1

39. What is the output of print statements in series for the given program?

```
age = input("Enter your age: ")  
year = input("Enter the four digit year: ")  
born = eval(year) - eval(age)  
message = "You were born in " + str(born)  
print(type(age))  
print(type(year))  
print(type(born))  
print(type(message))
```

```
<class 'int'>  
<class 'int'>  
<class 'int'>  
<class 'float'>
```

```
<class 'str'>  
<class 'str'>  
<class 'int'>  
<class 'str'>
```

```
<class 'str'>  
<class 'str'>  
<class 'str'>  
<class 'str'>
```

```
<class 'int'>  
<class 'int'>  
<class 'int'>  
<class 'str'>
```



Points:
0/3

40. You want to access the test.txt file and retrieve each line in it. Which option/options will you use? (Select all that apply)

```
file = open(test.txt)
```

insert code here

```
file.close()
```

- ☐ print(readlines(file))
 - ☒ for l in file: print(l) ✓
 - ☐ print(file.lines())
 - ☒ print(file.readlines()) ✓
 - ☐ print(file.readlines(:))
 - ☐ print(read.file(test.txt))
 - ☒ print(file.read()) ✓
-