

## Week 2 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-02-08, 23:59 IST.

Assignment submitted on 2023-02-01, 23:35 IST

1) What are the applications of Python?

1 point

- ☐ Image processing and graphic design applications
- ☐ Enterprise and business applications development
- ☐ Operating systems
- ☒ All of the above
- ☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

All of the above

2) Which of the following is not the correct variable name

1 point

- ☐ Abc
- ☐ Abd23
- ☒ 32asd
- ☐ Ab\_cd\_23

Yes, the answer is correct.

Score: 1

Accepted Answers:

32asd

3) Write the output of the following code.

1 point

```
L = [1,2,3,4,5,6,7,8,9]
```

```
print(L[::-1])
```

- ☐ [1,2,3,4,5,6,7,8,9]
- ☐ [1,2,3,4,5,9,8,7,6]
- ☒ [9,8,7,6,5,4,3,2,1]
- ☐ Error

Yes, the answer is correct.

Score: 1

Accepted Answers:

[9,8,7,6,5,4,3,2,1]

4) Predict the output of the following code:

1 point

```
L = [[1,2,3],[0,4,5],[0,0,6]]
```

```
1   for i in range(3):
2       for j in range(2,i-1,-1):
3           print(L[i][j], end = " ")
4
```

- ☐ 3,2,1,5,4,6
- ☒ 3 2 1 5 4 6
- ☐ 0,0,0,0,0,0
- ☐ 0 0 0 0 0 0

Yes, the answer is correct.

Score: 1

Accepted Answers:

3 2 1 5 4 6

5) Find all the error(s) in the following code:

1 point

```
n = 10
l = []
for i in range(10,n+10):
    l.append(i*i)

for i in range (10,0,-1):
    print(l[i])
```

- ☒ Index out of range
- ☒ Syntax error
- ☐ Variable not defined
- ☐ 'int' object does not support item assignment

Yes, the answer is correct.

Score: 1

Accepted Answers:

Index out of range

Syntax error

6) What is the output of the following code:

1 point

```
1 def add_items(x,y):
2     x+= [1,2]
3     y+= (3,4)
4     l = [0]
5     t = (5,)
6     add_items(l, t)
7     print(l,end=" ")
8     print(t)
```

- ☐ [0, 1, 2] (5, 3, 4)
- ☒ [0, 1, 2] (5,)
- ☐ [0] (5, 3, 4)
- ☐ [0] (5,)

Yes, the answer is correct.

Score: 1

Accepted Answers:

[0, 1, 2] (5,)

7) What is the correct syntax for defining a function in Python?

1 point

- ☐ def function name():
- ☐ function function\_name():
- ☐ function\_name():
- ☒ def function\_name:

Yes, the answer is correct.

Score: 1

Accepted Answers:

def function\_name:

8) What is the purpose of the continue statement in a for loop?

1 point

- ☒ To skip the rest of the current iteration and move on to the next one
- ☐ To terminate the loop and exit the loop block
- ☐ To return to the top of the loop and start a new iteration
- ☐ To skip the current iteration and move on to the next one, but only if a certain condition is met

Yes, the answer is correct.

Score: 1

Accepted Answers:

To skip the rest of the current iteration and move on to the next one

9) How do you check if a number is even in Python?

1 point

- ☒ if number % 2 == 0
- ☐ if number.is\_even()
- ☐ if number % 2 is 0
- ☐ if number.even()

Yes, the answer is correct.

Score: 1

Accepted Answers:

if number % 2 == 0

10) What should be the value of \_ to print all numbers from 0-10?

1 point

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

- ☒ 11
- ☐ 9
- ☐ 10
- ☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

11

### Programming Assignment 1:

Input

A number

Output

A number

Answer:

```
num = int(input())  
print(num)
```

### Programming Assignment 2:

Given two integers as an input, write a program to print the sum of those two integers.

Answer:

```
num1 = int(input())  
num2 = int(input())  
print(num1 + num2)
```

### Programming Assignment 3:

Input

x

Output

0

1

2

.

.

X

Answer:

```
num = int(input())  
for i in range(num+1):  
    print(i)
```