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NPTEL » The Joy of Computing using Python   Announcements   About the Course   Ask a Question   Progress   Mentor   **Review Assignment**

Week 2 : Assignment 1

The due date for submitting this assignment has passed.

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

Assignment submitted on 2023-02-05, 11:34 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

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? *0 points*

◉ def function name():
○ function function_name():
○ function_name():
○ def function_name:

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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