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NPTEL

**Courses » The Joy of Computing using Python**

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# Unit 4 - Week 2: Introduction to Python

## Course outline

**How to access the portal**

**Pre-requisite assignment**

**Week 1: Introduction**

**Week 2: Introduction to Python**

- Introduction to Anaconda
- Installation of Anaconda
- Introduction to Spyder IDE
- Printing statements in Python
- Understanding Variables in Python
- Executing a sequence of instructions in the Console
- Writing your First Program
- Taking inputs from the user
- Discount Calculation
- Motivation to if condition
- A reminder on how to deal with numbers

## Assignment 2

**The due date for submitting this assignment has passed.** **Due on 2018-08-15, 23:59 IST.**

**Assignment submitted on 2018-08-10, 19:20 IST**

1) What is the **value of a** after this sequence of instructions is carried out?        *1 point*

```
a=0
for i in range(10):
    a=a+1
```

- ○ 9
- ◉ 10
- ○ 11
- ○ 12

**Yes, the answer is correct.**
**Score: 1**

**Accepted Answers:**
*10*

2) What is the output when the following sequence of instructions is carried out in the console?   *1 point*

**a=1;a=a+1;a=a+2;a=a+3;print(a)**

- ○ 4
- ○ 5
- ○ 6
- ◉ 7

**Yes, the answer is correct.**
**Score: 1**

**Accepted Answers:**
*7*

3) What is the output of the following snippet if **5** is given as the input?        *1 point*

```
c=input("Enter a number")
print(c*3)
```

- ○ 15
- ○ 8

○ 2

◉ 555

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*555*

4) What is the output of the following snippet?                    *1 point*

```
s1="IIT "  #Remember there is a space after T in IIT
s2="Punjab"
s1=s1*2
s2="Ropar"
print(s1,s2)
```

○ IIT IIT Punjab

○ IIT Punjab

◉ IIT IIT Ropar

○ IIT Ropar

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*IIT IIT Ropar*

5) What is the value of x at the end of the following sequence of instructions?                    *1 point*

```
x=10
x=x*3
x=x+5
```

○ 15

○ 30

◉ 35

○ 45

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*35*

6) What is the value stored in the variable answer at the end of executing the following snippet? *1 point*

```
answer=1
for n in range(5):
    answer=answer*2
```

○ 7

○ 10

○ 25

◉ 32

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*32*

7) What does the arithmetic operator % do?                    *1 point*

○ Finds the sum of two numbers

○ Finds the quotient on dividing two numbers

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○ Finds the remainder on dividing two numbers

○ Finds the product of two numbers

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Finds the remainder on dividing two numbers*

8) What happens when the following code is executed?                    *1 point*

```
n=5
if(n>1):
print("Hello")
```

○ Hello

○ Syntax error is thrown

◉ Indentation error is thrown

○ Nothing happens

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Indentation error is thrown*

9) What happens when the following code is executed?                    *1 point*

```
n=5
if(n>1)
    print("Hello")
```

◉ Hello

○ Syntax error

○ Indentation error

○ Nothing happens

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Syntax error*

10) What is the output of the following snippet?                    *1 point*

```
for i in range(3):
    print(i)
```

◉ 0
1
2

○ 0
1
2
3

○ 1
2

○ 1
2
3

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

```
0
1
2
```

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