



NPTEL

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Courses » Joy of computing using Python

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Course

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Unit 4 - Week 2: Introduction to Python

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Course outline

How to access the portal

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
- Understanding if condition's

Assignment 2

The due date for submitting this assignment has passed. **Due on 2019-02-13, 23:59 IST.**

Assignment submitted on 2019-02-12, 19:28 IST

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

1 point

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

- ☒ 10
☐ 11
☐ 12
☐ 13

Yes, the answer is correct.

Score: 1

Accepted Answers:

10

2) What is the correct syntax to take input from user in Python?

1 point

- ☒ x=input()
☐ x-input
☐ x=input_user
☐ input(x)

Yes, the answer is correct.

Score: 1

Accepted Answers:

x=input()

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

1 point

```
a=0
while(a<10):
    a=a+1
```

- ☐ 9
☒ 10
☐ 11
☐ 12

Yes, the answer is correct.

Score: 1

working

- Realizing the importance of syntax and indentation
- Introductions to loops
- Loops: Sum of numbers
- Loops: Sum of numbers (continued)
- Loops: Multiplication Tables
- Introduction to While Loop
- Programming Assignment-1: Difference
- Programming Assignment-2: Large
- Programming Assignment-2: Loops ,List and Sum
- Quiz : Assignment 2
- Week 2 Feedback Form

Week 3: Cool Ideas (Part 1)

Week 4: Cool Ideas (Part 2)

Week 5: Cool Ideas (Part 3)

Week 6: Cool Ideas (Part 4)

Week 7: Cool Ideas(Part 5)

Week 8: Cool Ideas(Part 6)

Week 9: Cool Ideas(Part 7)

Week 10: Cool Ideas(Part 8)

Week 11

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Accepted Answers:

10

4) 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
☒ 555
☐ 5
☐ 3

Yes, the answer is correct.

Score: 1

Accepted Answers:

555

5) What is the value of k at the end of the following sequence of instructions?

1 point

```
k=20
x=9
x=x*3
k=x+5
```

- ☐ 20
☒ 32
☐ 0
☐ 9

Yes, the answer is correct.

Score: 1

Accepted Answers:

32

6) What is the output of the following code snippet?

1 point

```
a=5
for i in range(10)
a=a+1
```

- ☐ 15
☐ 5
☐ 0
☒ Error

Yes, the answer is correct.

Score: 1

Accepted Answers:

Error

7) What happens when the following code is executed?

1 point

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

- ☐ Hello gets printed
☐ Nothing gets printed
☒ An error is thrown
☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

An error is thrown



1 point

8) What is the output of the following snippet?

```
s=0
for s in range(5):
    print(s)
```

☒ 0
1
2
3
4
☐ 0
1
2
3
☐ 01234
☐ 012345

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

0
1
2
3
4

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

```
answer=1
n=0
while(n<3):
    answer=answer*3
    n=n+1
```

☐ 81
☒ 27
☐ 91
☐ 9

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

27

10) What happens when the following code is executed?

1 point

```
n=5
if(n%5==0):
    print("Hello")
```

☒ Hello gets printed
☐ Nothing gets printed
☐ Hello gets printed twice
☐ An error is thrown

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

Hello gets printed

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