



(<https://swayam.gov.in>)



(https://swayam.gov.in/nc_details/NPTEL)

zohaib166@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » The Joy of Computing using Python (course)

Click to register
for Certification
exam

(https://examform.nptel.ac.in/2024_10/exam_form/dashboard)

If already
registered, click
to check your
payment status

Course outline

About NPTEL
()

How does an
NPTEL online
course work?
()

Week 0 ()

Week 1 ()

Week 2 ()

☐ Introduction to
Anaconda
(unit?
unit=37&lesson
=38)

☐ Installation of
Anaconda
(unit?
unit=37&lesson
=39)

☐ Introduction to
Spyder IDE
(unit?)

Week 2: Assignment 2

The due date for submitting this assignment has passed.

Due on 2024-08-07, 23:59 IST.

Assignment submitted on 2024-07-31, 09:49 IST

1) **Statement** : If a variable is assigned multiple times, the latest value is not stored in the variable **1 point**

- ☐ False, the variable stores all values it was assigned
- ☒ False, the variable stores the value from the latest assignment.
- ☐ True, the variable stores the value from the second-last assignment.
- ☐ True, the variable stores value from the initial assignment

Yes, the answer is correct.

Score: 1

Accepted Answers:

False, the variable stores the value from the latest assignment.

2) Which of the following code blocks print - "Hello Ram Lakshman and Hanuman !" ? **1 point**

☒

```
name1 = "Ram"
name2 = "Lakshman"
name3 = "Hanuman"
print("Hello",name1,name2, "and",name3,"!")
```

☐

```
name1 = "Ram"
name2 = "Lakshman"
name3 = "Hanuman"
print("Hello",name1,name1, "and",name3,"!")
```

☒

```
print("Hello Ram Lakshman and Hanuman !")
```

unit=37&lesson=40)

☐ Printing statements in Python (unit? unit=37&lesson=41)

☐ Understanding Variables in Python (unit? unit=37&lesson=42)

☐ Executing a sequence of instructions in the Console (unit? unit=37&lesson=43)

☐ Writing your First Program (unit? unit=37&lesson=44)

☐ Taking inputs from the user (unit? unit=37&lesson=45)

☒ Discount Calculation (unit? unit=37&lesson=46)

☐ Motivation to if condition (unit? unit=37&lesson=47)

☐ A reminder on how to deal with numbers (unit? unit=37&lesson=48)

☐ Understanding if condition's working (unit? unit=37&lesson=49)

☐ Realizing the importance of syntax and indentation (unit? unit=37&lesson=50)

☐ Introductions to loops (unit?



```
name1 = "Ram"
name2 = "Lakshman"
name3 = "Hanuman"
print("Hello Ram", name1, "and", name3, "!")
```

Yes, the answer is correct.

Score: 1

Accepted Answers:

```
name1 = "Ram"
name2 = "Lakshman"
name3 = "Hanuman"
print("Hello", name1, name2, "and", name3, "!")
```

```
print("Hello Ram Lakshman and Hanuman !")
```

3) What aren't the correct ways to inform python that input is an integer ?

1 point

- ☒ in(input())
☒ float(input())
☐ int(input())
☐ a = input()
a = int(a)

Yes, the answer is correct.

Score: 1

Accepted Answers:

in(input())
float(input())

4) The following program outputs 722 -

1 point

```
a = 7
result = 1
for i in range(a):
    if(i > 0):
        result = result * i
print(result+2)
```

For what value of **a** does the code output 8 ?

- ☐ 2
☐ 1
☒ 4
☐ 6

Yes, the answer is correct.

Score: 1

Accepted Answers:

4

unit=37&lesson=51)

☐ Loops: Sum of numbers (unit? unit=37&lesson=52)

☐ Loops: Sum of numbers (continued) (unit? unit=37&lesson=53)

☐ Loops: Multiplication Tables (unit? unit=37&lesson=54)

☐ Introduction to While Loop (unit? unit=37&lesson=55)

☒ **Quiz: Week 2: Assignment 2 (assessment? name=444)**

☒ Programming Assignment 1 (/noc24_cs113/progassignment?name=446)

☒ Programming Assignment 2 (/noc24_cs113/progassignment?name=448)

☒ Programming Assignment 3 (/noc24_cs113/progassignment?name=447)

☐ Week 2 Feedback Form: The Joy of Computing using Python (unit? unit=37&lesson=56)

Week 3 ()

week 4 ()

Week 5 ()

Week 6 ()

5) What does previous question calculate ?

1 point

- ☐ Calculates the factorial of **a**.
- ☒ Calculates the factorial of **a** and adds 2.
- ☐ Calculates the a multiples of **a** starting from **1** and adds **2**.
- ☐ Calculates the factorial of **a-1** and adds **2**.

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Calculates the factorial of **a-1** and adds **2**.*

6) Which loop is used to perform a set of repetitive tasks based on condition in Python?

1 point

- ☒ **while** loop
- ☐ **for** loop
- ☐ **do-while** loop
- ☐ **while-range** loop

Yes, the answer is correct.

Score: 1

Accepted Answers:

***while** loop*

7) What happens when the condition inside the **if** and **while** evaluate to false ?

1 point

- ☐ Python interpreter ignores the **if/while** blocks, and halts the program.
- ☒ Python interpreter ignores the **if/while** blocks, and proceeds the program from the lines after the **if/while** block.
- ☐ Python interpreter executes the **if/while** blocks, and rest of the program.
- ☐ Python interpreter executes the **if/while**, and the programs runs in an infinite loop.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Python interpreter ignores the **if/while** blocks, and proceeds the program from the lines after the **if/while** block.*

8) The following program might/might not have an infinite loop. Does the program have infinite loop ?

1 point

Text
Transcripts ()

Download
Videos ()

Books ()

Problem
Solving
Session - July
2024 ()

```
1  a = int(input())
2  while(a == 0):
3      if(a<0):
4          a=-1
5      if(a>0):
6          a=1
7  if(a>1):
8      a=2
9  if(a<1):
10     a=-2
11  print(a)
```

- ☐ No, the program doesn't have infinite loop.
- ☒ Yes, it can be prevented by updating the value of **a** before the **if** block at line 3
- ☐ Yes, it can be prevented by removing both the **if** blocks inside the while loop.
- ☐ Yes, but it cannot be prevented

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Yes, it can be prevented by updating the value of **a** before the **if** block at line 3*

9) For which of the following values of **name** and **age** variables does the following code print "You are lucky"?

1 point

```

name = input("Enter your name: ")
age = int(input("Enter your age: "))
flag = "False"
if(age >= 18):
    flag = "True"
else:
    flag = "False"
counter = 0
for i in name:
    if(i == "a"):
        counter += 1
if(flag == "True"):
    if(counter > 2):
        print("You are lucky")
    else:
        print("You are not lucky")

```

- ☐ aryan, 20
- ☐ arjun, 19
- ☐ aakash, 17
- ☒ aatreya, 18

Yes, the answer is correct.

Score: 1

Accepted Answers:

aatreya, 18

10) For which of the options among the previous question, the program doesn't print anything.

1 point

- ☐ aryan, 20
- ☐ arjun, 19
- ☒ aakash, 17
- ☐ aatreya, 18

Yes, the answer is correct.

Score: 1

Accepted Answers:

aakash, 17