

<https://swayam.gov.in>https://swayam.gov.in/nc_details/NPTEL

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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Python for Data Science (course)Course
outline**How does an
NPTEL
online
course
work? ()****Week 0 ()****Week 1 ()**

- Introduction to Python for Data Science (unit? unit=18&lesson=19)
- Introduction to Python (unit? unit=18&lesson=20)
- Introduction to Spyder - Part 1 (unit? unit=18&lesson=21)
- Introduction to Spyder - Part 2 (unit? unit=18&lesson=22)
- Variables and Datatypes

Week 1: Assignment 1

The due date for submitting this assignment has passed.

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

As per our records you have not submitted this assignment.

1) Which of the following is/are the correct ways of naming variables in Python?

1 point

- ☐ 2_max = 5
- ☐ max_2 = 5
- ☐ max2 = 5
- ☐ max @2 = 5

No, the answer is incorrect.

Score: 0

Accepted Answers:

`max_2 = 5``max2 = 5`

2) What does 5%11 will evaluate to

1 point

- ☐ 1
- ☐ 5
- ☐ 0
- ☐ Syntax error

No, the answer is incorrect.

Score: 0

Accepted Answers:

`5`

3) What does 4//7 evaluate to

1 point

- ☐ 0
- ☐ 1

(unit?
unit=18&lesson=23)

● Operators

(unit?
unit=18&lesson=24)

● Setup Guide

(unit?
unit=18&lesson=25)

● Week 1:

Lecture slides
(unit?
unit=18&lesson=26)

● Week 1-FAQs

(unit?
unit=18&lesson=27)

○ Practice: Week

1: Practice
Assignment 1
(assessment?
name=94)

○ Quiz: Week 1:
Assignment 1
(assessment?
name=102)

● Week 1

Feedback
Form : Python
for Data
Science (unit?
unit=18&lesson=28)

Week 2 ()

Week 3 ()

Week 4 ()

Download
Videos ()

Books ()

Text
Transcripts ()

☐ 0.0

☐ 4

No, the answer is incorrect.

Score: 0

Accepted Answers:

0

What will be the output of the following code snippet?

4) (i).

0.5 points

```
num_1 = '100'
num_2 = '200'

print(num_1 + num_2)
```

☐ 300

☐ 100200

☐ '100' + '200'

☐ '100 + 200'

No, the answer is incorrect.

Score: 0

Accepted Answers:

100200

5) (ii).

0.5 points

```
num_1 = '100'
num_2 = '200'

print(num_1 + num_2)

num_1 = int(num_1)
num_2 = int(num_2)
print(num_1 + num_2)
```

☐ 300

☐ 100200

☐ '100' + '200'

☐ '100 + 200'

No, the answer is incorrect.

Score: 0

Accepted Answers:

300

6) What is the type of the following expression?

1 point

1 + 4 / 2

- ☐ int
- ☐ float
- ☐ bool
- ☐ str

No, the answer is incorrect.

Score: 0

Accepted Answers:

float

7) What is the type of the following expression?

0 points

```
[1] (1 > 0) and (-1 < 0) and (1 == 1)
```

- ☐ str
- ☐ bool
- ☐ True
- ☐ False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

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

1 point

```
result = 12-4 * (16//2**4)+32
print(result)
```

- ☐ 32
- ☐ 44
- ☐ 40
- ☐ 36

No, the answer is incorrect.

Score: 0

Accepted Answers:

40

9) Which of the arithmetic operators given below cannot be used with 'strings' in Python?

1 point

- ☐ *
- ☐ -
- ☐ +

☐ All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

-

10) Consider the list of instructions and resulting outputs given below. Pick the set that is **1 point** incorrect.

```
1. print("Good", end = "")  
   print("Day")  
   Output -> GoodDay
```

```
2. word1 = "Trial"  
   print("Word is %s" %word1)  
   Output -> Trial
```

```
3. num1 = 23  
   print( " Number: %f " %num1 )  
   Output -> Number: 23.000000
```

```
4. print( "ready\nsteady\ngo")  
   Output -> ready  
              steady  
              go
```

☐ 4

☐ 2

☐ 1, 3

☐ 1, 3, 4

☐ All are correct

No, the answer is incorrect.

Score: 0

Accepted Answers:

2

11) Two variables X and Y were assigned the following values initially: X = 3 and Y = 6. **1 point**
Which of the following statements will help swap the values between these two variables?

☐ Y = X

X = Y

☐ X = Y

☐ $X = Y$

$Y = X$

☐ $X, Y = Y, X$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$X, Y = Y, X$