



NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Python For Data Science (course)

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## 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 (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: Assignment 1 (Non Graded) (assessment? name=109)
- ☐ Quiz: Week 1: Assignment 1 (assessment?name=117)
- ☒ Week 1 Feedback Form : Python For Data Science (unit?unit=18&lesson=113)

### Week 2 ()

### Week 3 ()

### Week 4 ()

Supporting material for  
Week 4 ()

Download Videos ()

Books ()

Text Transcripts ()

Problem Solving  
Session - July 2023 ()

# Week 1: Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-08-09, 23:59 IST.

As per our records you have not submitted this assignment.

- 1) What is the output of the following code?

1 point

```
a = 3
b = "12"

print(a*b)
```

- ☐ 36
- ☐ 121212
- ☐ 123
- ☐ Error: Invalid operation, unsupported operator '\*' used between 'int' and 'str'

No, the answer is incorrect.

Score: 0

Accepted Answers:

121212

- 2) What is the output of the following code?

1 point

```
a = -9//7

print(a)
```

- ☐ -1
- ☐ -2
- ☐ -1.28
- ☐ 1.28

No, the answer is incorrect.

Score: 0

Accepted Answers:

-2

- 3) Consider a following code snippet. What is a data type of y?

1 point

```
x = 15
y = str(float(x))
```

- ☐ int
- ☐ float
- ☐ str
- ☐ Code will throw an error.

No, the answer is incorrect.

Score: 0

Accepted Answers:

str

- 4) Which of the following variable names are INVALID in Python?

1 point

- ☐ 1\_variable
- ☐ variable\_1
- ☐ variable1
- ☐ variable#

No, the answer is incorrect.

Score: 0

Accepted Answers:

1\_variable

variable#

- 5) While naming the variable, use of any special character other than underscore(\_) ill throw which type of error?

1 point

- ☐ Syntax error
- ☐ Key error
- ☐ Value error
- ☐ Index error

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Syntax error*

6) Let x = "Mayur". Which of the following commands converts the 'x' to float datatype? **1 point**

- ☐ str(float,x)
- ☐ x.float()
- ☐ float(x)
- ☐ Cannot convert a string to float data type

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Cannot convert a string to float data type*

7) Which Python library is commonly used for data wrangling and manipulation? **1 point**

- ☐ Numpy
- ☐ Pandas
- ☐ scikit
- ☐ Math

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Pandas*

8) Predict the output of the following code. **1 point**

```
x = 10
y = 5
z = 3

ans = x + y % z

print(ans)
```

- ☐ 12.0
- ☐ 12
- ☐ 11.667
- ☐ 11

No, the answer is incorrect.

Score: 0

Accepted Answers:

*12*

9) Given two variables, j = 6 and g = 3.3. If both normal division and floor division operators were used to divide j by g, what would be the data type of the value obtained from the operations? **1 point**

- ☐ int, int
- ☐ float, float
- ☐ float, int
- ☐ int, float

No, the answer is incorrect.

Score: 0

Accepted Answers:

*float, float*

10) Let a = 5 (101 in binary) and b = 3 (011 in binary). What is the result of the following operation? **1 point**

```
a = 5
b = 3

print(a & b)
```

- ☐ 3
- ☐ 7
- ☐ 5
- ☐ 1

No, the answer is incorrect.

Score: 0

Accepted Answers:

*1*