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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » Python for Data Science (course)


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Course outline

About NPTEL
()

How does an
NPTEL online
course work?
()

Week 0 ()

Week 1 ()

- ☒ Introduction to
Python for Data
Science (unit?
unit=18&lesson
=19)

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2025-02-05, 23:59 IST.

Assignment submitted on 2025-01-23, 20:07 IST

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

1 point

- ☒ 1_variable
- ☐ variable_1
- ☐ variable1
- ☒ variable#

Yes, the answer is correct.

Score: 1

Accepted Answers:

1_variable
variable#

2) Which of the following operators have lower precedence than “not” in Python?

1 point

- ☐ +
- ☒ and
- ☐ ==
- ☐ |

Yes, the answer is correct.

Score: 1

Accepted Answers:

and

● 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)

● Week 1 Feedback Form : Python for Data Science (unit? unit=18&lesson=113)

● Quiz: Week 1 : Assignment 1

3) What will be the output of the following code?

```
a = 10
b = 5
print(a ** b % 3)
```

- ☐ 0
- ☐ 100
- ☒ 1
- ☐ 2

Yes, the answer is correct.

Score: 1

Accepted Answers:

1

1 point

4) What will be the output of the following code snippet?

```
greetings = "Namaste"
greetings_1 = float(greetings)
print(type(greetings_1))
```

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

Code will throw an error.

1 point

5) 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?

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

float, float

1 point

6) What will be the output of the following code snippet?

```
a = "10"
b = float(a) + 5
result = str(b) + "123"
print(type(result))
```

1 point

(assessment?
name=153)

● Practice: Week
1: Practice
Assignment 1
(assessment?
name=156)

Week 2 ()

Week 3 ()

Week 4 ()

Supporting
material for
Week 4 ()

Download
Videos ()

Books ()

Text
Transcripts ()

Problem
Solving
Session - Jan
2025 ()

- ☐ <class'float'>
☒ <class'str'>
☐ <class'int'>
☐ The code will give an error.

Yes, the answer is correct.
Score: 1

Accepted Answers:
<class'str'>

7) What will be the output of the following code snippet?

1 point

```
a = 15
b = 3
c = 4
result = a + b * c // (c % b) - 5
print(result)
```

- ☐ 20
☐ 1
☒ 22
☐ 0

Yes, the answer is correct.
Score: 1

Accepted Answers:
22

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

1 point

```
a = 4
b = 5
a *= b * 2
print(a)
```

- ☐ 10
☐ 20
☐ 25
☒ 40

Yes, the answer is correct.
Score: 1

Accepted Answers:
40

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

1 point

```
a = 3
b = 5
c = (a == 3) and (b == 5) or (a != 3)
```

```
print(c)
```

- ☒ True
☐ False
☐ Error

Yes, the answer is correct.

Score: 1

Accepted Answers:

True

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

1