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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 1 ()

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

● Introduction to
Python (unit?)

Week 1 : Assignment 1

Assignment not submitted

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

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

1 point

☒ 1_variable

☐ variable_1

☐ variable1

☒ variable#

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

1 point

☐ +

☒ and

☐ ==

☐ |

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

1 point

a = 10

b = 5

print(a ** b % 3)

☐ 0

☐ 100

☒ 1

☐ 2

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

1 point

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 (assessment? name=153)

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

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

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? **1 point**

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

6) What will be the output of the following code snippet? **1 point**

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

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

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

8) What is the output of the following code snippet? **1 point**

```
a = 4
b = 5
a *= b * 2
```

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```
print(a)
```

☐ 10

☐ 20

☐ 25

☒ 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

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

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers