X

![swayam logo](https://swayam.gov.in) **(https://swayam.gov.in)**   **(https://swayam.gov.in/nc_details/NPTEL)**

dhilipkumar.m0007@gmail.com ⌄

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

☰

**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

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

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

- ○ 0
- ○ 100
- ◉ 1
- ○ 2

Yes, the answer is correct.
Score: 1

Accepted Answers:
1

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

```
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.

5) Given two variables, **j = 6** and **g = 3.3**. If both normal division and floor division   **1 point**
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

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.

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 **1 point**
operation?
a = 5
b = 3
```
print(a & b)
```

    ○ 3

    ○ 7

    ○ 5

    ◉ 1

Yes, the answer is correct.
Score: 1

Accepted Answers:
1