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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 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 2025-01-25, 21:30 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
- ☐ ==
- ☒ |

No, the answer is incorrect.

Score: 0

Accepted Answers:

and

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

1 point

a = 10

● 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)

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● Operators (unit? unit=18&lesson=24)

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

● Quiz: Week 1 : Assignment 1 (assessment? name=153)

○ Practice: Week 1: Practice

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

1 point

- ☐ 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 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

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

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

Assignment 1
(assessment?
name=156)

Week 2 ()

Week 3 ()

Week 4 ()

Supporting
material for
Week 4 ()

Download
Videos ()

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Session -
Jan 2025 ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

`<c / a s s ' s t r '>`

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