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

Announcements (announcements)   **About the Course (https://swayam.gov.in/nd1_noc20_cs36/preview)**

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Unit 3 - Week 1

Course outline

How does an NPTEL online course work?

Week 0

Week 1

- Introduction to Python for Data Science (unit? unit=1&lesson=5)

- Introduction to Python (unit? unit=1&lesson=9)

- Introduction to Spyder - Part 1 (unit? unit=1&lesson=6)

- Introduction to Spyder - Part 2 (unit? unit=1&lesson=50)

Assignment 1

The due date for submitting this assignment has passed.   Due on 2020-02-12, 23:59 IST.

Assignment submitted on 2020-01-23, 22:28 IST

1) In Python, print () by default adds which of the following as an end line argument?   **1 point**

- ◯ \t
- ⦿ \n
- ◯ \s
- ◯ \r

Yes, the answer is correct.
Score: 1
Accepted Answers:
\n

2) Which of the following is not true about variable names?   **1 point**

- ⦿ The length of the variable name is fixed
- ◯ Can contain upper case or lowercase letters and digits 0-9
- ◯ Variable names cannot begin with a digit
- ◯ Variable names are case sensitive

Yes, the answer is correct.
Score: 1
Accepted Answers:

The length of the variable name is fixed

3) What does **IDE** stand for?   *1 point*

○ Internet Data Evaluation

○ Integrated Drive Electronics

○ Integrated Development Enterprises

◉ Integrated Development Environment

Yes, the answer is correct.
Score: 1

Accepted Answers:
Integrated Development Environment

4) In Spyder, the command to clear the console is   *1 point*

◉ %reset

○ %delete

○ %del

○ %clear

No, the answer is incorrect.
Score: 0

Accepted Answers:
%clear

5) Which of the following code cannot be used to initialize multiple variables with a common   *1 point*
value?

◉ a, b, c = 55

○ a, b, c = 55, 55, 55

○ a = b = c = 55

○ a = 55; b = a; c = b

Yes, the answer is correct.
Score: 1

Accepted Answers:
a, b, c = 55

6) What will be the output after executing the following codes?   *1 point*

```
x =45
y =7
x%= y
print(x)
```

○ 6

○ 42

◉ 3

○ 52

Yes, the answer is correct.
Score: 1

Accepted Answers:

3

7) Which of the following is **true** with respect to the below codes?   *1 point*

```python
a = 4**3
b = pow(4,3)
print(a,b)
```

◉ a = b

○ a ≠ b

○ a < b

○ a > b

Yes, the answer is correct.
Score: 1

Accepted Answers:
a = b

8) What will be the output after executing the following codes?   *1 point*

```python
x=8
if x > 8:
        print(20)
else:
        print(10)
```

○ 20

○ ValueError

◉ 10

○ SyntaxError

Yes, the answer is correct.
Score: 1

Accepted Answers:
10

9) Which of the following conversion results in an error?   *1 point*

◉ int('10.8')

○ float(10)

○ int(10)

○ float(10.8)

Yes, the answer is correct.
Score: 1

Accepted Answers:
int('10.8')

10) Which of the following command is used to print the output **01-Jan-2020** ?   *1 point*

○ print('01','Jan', sep=' ', end='-2020')

◉ print('01','Jan', sep='-', end='-2020')

○ print('01','Jan', sep='-', end='2020')

○ print('01','Jan','2020', sep='-', end='-2020\n')

Yes, the answer is correct.
Score: 1
Accepted Answers:
print('01','Jan', sep='-', end='-2020')

11) For which type of error does the interpreter runs the program and does not report an error?   *1 point*

◉ Semantic error

○ Syntax error

○ Runtime error

○ Key error

Yes, the answer is correct.
Score: 1
Accepted Answers:
Semantic error

12) What will be the output after executing the following codes?   *1 point*

```
x=27
y=4
print(x//y)
```

○ SyntaxError

○ 6.75

○ 3

◉ 6

Yes, the answer is correct.
Score: 1
Accepted Answers:
6

13) Identify which of the following is not a valid variable name?   *1 point*

○ X005 =10

◉ A.2 = 10

○ N_s = 10

○ r10 = 10

Yes, the answer is correct.
Score: 1
Accepted Answers:
A.2 = 10

14) What does the following statements do?   *1 point*

import sys
print(sys.version)

○ Displays the current Python version

○ Displays the operating system version

○ Displays the location of the Python interpreter

⦿ All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Displays the current Python version

15)The operators **'is'** & **'is not'** are?   *1 point*

○ Comparison Operators

⦿ Identity Operators

○ Membership Operators

○ Relational Operators

Yes, the answer is correct.
Score: 1

Accepted Answers:
Identity Operators

16)How many operands are there in the following arithmetic expression?   *1 point*

$$6 * 35 + 8 - (25 / 5)$$

○ 4

○ 3

⦿ 5

○ 8

Yes, the answer is correct.
Score: 1

Accepted Answers:
5

17)What would be the datatype of variable **'c'** after executing the following code?   *1 point*

```
a = 5
b = 6
c = print(a/b)
```

○ float

⦿ Nonetype

○ int

○ object

Yes, the answer is correct.
Score: 1

Accepted Answers:
Nonetype

18)Which is not a valid **assignment** operator?   *1 point*

○ **=

○ +=

○ //=

◉ %%=

Yes, the answer is correct.
Score: 1
Accepted Answers:
%%=

19)Which is not a valid **bitwise** operator?   *1 point*

○ &

○ ~

○ ^

◉ ≤

Yes, the answer is correct.
Score: 1
Accepted Answers:
≤

20)The datatype of the variable **a = (1i)** is   *1 point*

○ str

○ complex

◉ SyntaxError

○ tuple

Yes, the answer is correct.
Score: 1
Accepted Answers:
SyntaxError