Unit 3 - Week 1

Course outline

How does an NPTEL online course work?

Week 0

Week 1

- Introduction to Python for Data Science
- Introduction to Python
- Introduction to Spyder - Part 1
- Introduction to Spyder - Part 2
- Variables and Datatypes
- Operators
- Setup Guide
- Week 1: Lecture slides
- Quiz : Practice Assignment 1
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Week 2

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Supporting material for Week 4

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Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

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

- \t
- \n
- \s
- \r

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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 value? *1 point*

- a, b, c = 55
- a, b, c = 55, 55, 55
- a = b = c = 55
- a = 55; b = a; c = b

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
Accepted Answers:
3

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

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

- a = b
- a ≠ b
- a < b
- a > b

No, the answer is incorrect.
Score: 0
Accepted Answers:
a = b

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

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

- 20
- ValueError
- 10
- SyntaxError

No, the answer is incorrect.
Score: 0
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)

No, the answer is incorrect.
Score: 0
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')

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
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

No, the answer is incorrect.
Score: 0
Accepted Answers:
Nonetype

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

- **=,
- +=
- //=
- %%=

No, the answer is incorrect.
Score: 0
Accepted Answers:
%%=

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

- &
- ~
- ^
- =

No, the answer is incorrect.
Score: 0
Accepted Answers:
=

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

- str
- complex
- SyntaxError
- tuple

No, the answer is incorrect.
Score: 0
Accepted Answers:
SyntaxError