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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_noc19_cs59/preview)

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Unit 3 - Week 1

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 Course
outline

 How to access
the portal?

Week 0

Week 1

- Introduction to Python for Data Science (unit? unit=8&lesson=12)
- Introduction to Python (unit? unit=8&lesson=13)
- Introduction to Spyder - Part 1 (unit? unit=8&lesson=14)
- Introduction to Spyder - Part 2 (unit? unit=8&lesson=15)
- Variables and Datatypes (unit? unit=8&lesson=16)

Assignment 1

 The due date for submitting this assignment has passed. **Due on 2019-09-11, 23:59 IST.**

Assignment submitted on 2019-08-30, 12:11 IST

1) The command used to clear console in Spyder is:-

1 point

- ☐ reset
☒ %clear
☐ %reset
☐ remove

Yes, the answer is correct.

Score: 1

Accepted Answers:

%clear

2) Which of the following is a valid variable name?

1 point

- ☐ '.ram2'
☐ 'ram.2'
☒ 'ram_2'
☐ '2ram'00

Yes, the answer is correct.

Score: 1

Accepted Answers:

'ram_2'

3) Python files are saved with extension

1 point

- ☒ .py
☐ .python

☒ Operators (unit?
unit=8&lesson=17)

☒ **Quiz :
Assignment 1
(assessment?
name=10)**

☐ Week 1
Feedback (unit?
unit=8&lesson=60)

☒ Week 1: Lecture
slides (unit?
unit=8&lesson=63)

☒ Assignment 1
solutions (unit?
unit=8&lesson=66)

Week 2

Week 3

**Supporting
material for Week
4**

Week 4

**DOWNLOAD
VIDEOS**

☐ .pe

☐ .pi

Yes, the answer is correct.

Score: 1

Accepted Answers:

.py

4) Which of the following statement is invalid?

1 point

☐ m_n_q = 3500

☒ m.n.q = 3500, 3600, 3700

☐ m,n,q = 3500, 3600, 3700

☐ mnq = 350036003700

Yes, the answer is correct.

Score: 1

Accepted Answers:

m.n.q = 3500, 3600, 3700

5) The command to display an output in Python is:-

0 points

☐ display()

☐ output()

☐ run()

☒ print()

Yes, the answer is correct.

Score: 0

Accepted Answers:

print()

6) Assignment operator used in Python is: -

1 point

☐ ==

☐ >>

☐ <-

☒ =

Yes, the answer is correct.

Score: 1

Accepted Answers:

=

7) Consider the variables a and b. Values of a and b are 280 and 15 respectively. The operation that will return a remainder is: - **1 point**

☐ a/b

☒ a%b

☐ a**b

☐ a*b

Yes, the answer is correct.

Score: 1

Accepted Answers:

a%b

8) Python command used to calculate 2^5 is given by:-

1 point

☐ 2*5

☐ 2^5

- ☒ 2**5
- ☐ 2.exp(5)

Yes, the answer is correct.

Score: 1

Accepted Answers:

2**5

9) The values of variables p and q are 15 and 3 respectively. What is the value of 'p' after running the code below?

1 point

p*=q

- ☐ 15
- ☐ 3
- ☐ 18
- ☒ 45

Yes, the answer is correct.

Score: 1

Accepted Answers:

45

10) Which command would you use to find the data type of a variable

1 point

- ☐ data()
- ☒ type()
- ☐ isinstance()
- ☐ str()

Yes, the answer is correct.

Score: 1

Accepted Answers:

type()

11) Value of variable p is 45. Command to coerce p from integer datatype to float datatype is:-

1 point

- ☐ p=p.astype('float')
- ☒ p=float(p)
- ☐ p=p.type('float')
- ☐ p=p.istype('float ')

Yes, the answer is correct.

Score: 1

Accepted Answers:

p=float(p)

12) Indicate which command would you use to set the working directory

1 point

- ☐ setwd()
- ☒ os.chdir()
- ☐ getwd()
- ☐ cd()

Yes, the answer is correct.

Score: 1

Accepted Answers:

os.chdir()

13) Comments in Python begin with

1 point

- ☐ %

- ☐ &
☒ #
☐ \

Yes, the answer is correct.

Score: 1

Accepted Answers:

#

14)What type of object is x?

1 point

```
x=("Python", "version", "3.7")
```

- ☐ List
☒ Tuple
☐ String
☐ Array

Yes, the answer is correct.

Score: 1

Accepted Answers:

Tuple

15)Which of the following method can be used to initialize multiple variables with a common value?

1 point

- 1.x=y: y=33
2.x=y=z=33
3.x=33; y=x; z=y
4.x,y,z=33

- ☐ 1 and 2
☒ 2 and 3
☐ 1 and 4
☐ 2 and 4

Yes, the answer is correct.

Score: 1

Accepted Answers:

2 and 3

16)What will be the output after the following statements are executed?

1 point

```
X=300  
Y= 17  
X%=Y  
print(X)
```

- ☒ 11
☐ 17.6
☐ 300
☐ 17

Yes, the answer is correct.

Score: 1

Accepted Answers:

11

17)What is the command to clear a single variable 'a' from the variable explorer?

1 point

- ☐ %reset

- ☐ % clear
- ☒ del a
- ☐ rm a

Yes, the answer is correct.

Score: 1

Accepted Answers:

del a

18) Which of the package is used for visualization in Python

0 points

- ☐ ggplot2
- ☐ matplotlib
- ☐ seaborn
- ☒ All of the above

Yes, the answer is correct.

Score: 0

Accepted Answers:

All of the above

19) "not in" belongs to which type of operator in Python?

1 point

- ☒ membership
- ☐ bitwise
- ☐ logical
- ☐ arithmetic

Yes, the answer is correct.

Score: 1

Accepted Answers:

membership

20) "is not" belongs to which type of operator in Python?

1 point

- ☐ membership
- ☒ identity
- ☐ logical
- ☐ equality

Yes, the answer is correct.

Score: 1

Accepted Answers:

identity

