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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)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 2 - Week 0

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Course outline

How to access the portal?

Week 0

☐ Quiz :
Assignment 0
(assessment?
name=9)

☒ Python Setup
Guide (unit?
unit=7&lesson=11)

☒ Assignment 0
solutions (unit?
unit=7&lesson=32)

Week 1

Week 2

Week 3

Supporting material for Week 4

Assignment 0

The due date for submitting this assignment has passed. **Due on 2019-08-31, 23:59 IST.**
As per our records you have not submitted this assignment.

1) Lottery tokens are numbered from 1 to 25. What is the probability that a token drawn is multiple of 5 or 7? **1 point**

- ☐ 12/25
☐ 14/25
☐ 8/25
☐ 17/25

No, the answer is incorrect.
Score: 0

Accepted Answers:
8/25

2) Which of the following events are mutually exclusive? **1 point**

- ☐ Drawing a card from a deck and getting a king or queen
☐ Tossing a coin once and getting a head or a tail
☐ Rolling a die and getting 5 or 6
☐ All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

3) Priya has 2 children and one of them is a boy. What is the probability that the other child is also a boy? **1 point**

- ☐ 0.50
☐ 0.33

Week 4**DOWNLOAD
VIDEOS**☐ 0.75☐

0.25

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.33

4) In a non-leap year what is the probability of getting 53 Saturdays?

1 point☐ 52/208☐ 53/365☐ 6/7☐ 1/7

No, the answer is incorrect.

Score: 0

Accepted Answers:

1/7

5) Which of the following values does not represent the probability of an event?

1 point☐ 0.1☐ 0.5☐ 1☐ -0.2

No, the answer is incorrect.

Score: 0

Accepted Answers:

-0.2

6) If $X = a + bc$, then a is called _____**1 point**☐ Operator☐ Variable☐ Value☐ Operand

No, the answer is incorrect.

Score: 0

Accepted Answers:

Operand

7) Which of the following control structure can be used to repeat a sequence of operation under specific conditions? **1 point**☐ Do -while☐ For☐ While☐ All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

8) Which of the following control statement is used to terminate the loop?

1 point☐ next

- ☐ switch
- ☐ break
- ☐ with

No, the answer is incorrect.

Score: 0

Accepted Answers:

break

9) Create a variable X and assign a value of 1 to X. Increment the value of X by 1 and break out **1 point** of the loop when value of X is greater than or equal to 5. How many times the loop will be executed is?

- ☐ 1
- ☐ 4
- ☐ 3
- ☐ 2

No, the answer is incorrect.

Score: 0

Accepted Answers:

4

10) Which of the following is not a valid data type?

1 point

- ☐ Numeric
- ☐ Character
- ☐ Integer
- ☐ Alpha numeric

No, the answer is incorrect.

Score: 0

Accepted Answers:

Alpha numeric

11) Which of the following is an invalid representation of memory address?

1 point

- ☐ 8- bit
- ☐ 32- bit
- ☐ 24- bit
- ☐ 64- bit

No, the answer is incorrect.

Score: 0

Accepted Answers:

24- bit

12) Consider a variable X .The value of X is "cust-45963". Data type of X is:-

1 point

- ☐ Complex
- ☐ Character
- ☐ Integer
- ☐ Boolean

No, the answer is incorrect.

Score: 0

Accepted Answers:

Character

13) According to the BODMAS rule , which of the following will be given the highest precedence? **1 point**

- ☐ exponential (^)

- ☐ addition (+)
- ☐ parentheses ()
- ☐ multiplication (*)

No, the answer is incorrect.

Score: 0

Accepted Answers:

parentheses ()

14) Which of the following variable(s) are character data type?

1 point

- ☐ X="1"
- ☐ X= "Hello"
- ☐ X= "?"
- ☐ All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

15) Consider two matrices M1 & M2, The product of M1 and M2 is an identity matrix. Which of the following statement is correct? **1 point**

- ☐ M2 is equal to transpose of M1
- ☐ M2 is equal to square of M1
- ☐ M2 is an identity matrix
- ☐ M2 is equal to inverse of M1

No, the answer is incorrect.

Score: 0

Accepted Answers:

M2 is equal to inverse of M1

16) Consider the if-elseif-else statement. Between the if and the else statement, how many blocks of 'elseif' statements are possible? **1 point**

- ☐ 4
- ☐ 3
- ☐ 2
- ☐ Multiple

No, the answer is incorrect.

Score: 0

Accepted Answers:

Multiple

17) What does the extension ".csv" mean?

1 point

- ☐ command separated value
- ☐ comma separated value
- ☐ comma separated variable
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

comma separated value

18) Total number of ASCII characters used for programming are:-

1 point

- ☐ 256
- ☐ 127
- ☐ 128
- ☐ 150

No, the answer is incorrect.

Score: 0

Accepted Answers:

128

19) Which of the following operator is a relational operator?

1 point

- ☐ AND (&)
- ☐ Not(!)
- ☐ Greater than(>)
- ☐ OR(/)

No, the answer is incorrect.

Score: 0

Accepted Answers:

Greater than(>)

20) Which of the following statement(s) is True?

1 point

- (I) Functions take multiple inputs.
- (II) Functions can return only one output.

- ☐ I-True, II-False
- ☐ I-False, II-True
- ☐ I-True, II-True
- ☐ I-False, II-False

No, the answer is incorrect.

Score: 0

Accepted Answers:

I-True, II-False

21) Which of the following operators return a boolean output?

1 point

- ☐ AND (&)
- ☐ Nor
- ☐ Not (!)
- ☐ All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

22) Which of the following is not a numerical datatype?

1 point

- ☐ integer
- ☐ float
- ☐ double
- ☐ boolean

No, the answer is incorrect.

Score: 0

Accepted Answers:

boolean

23) Which of the following symbol has the ability to convert any values to string ?

1 point

- ☐ ()
- ☐ " "
- ☐ { }
- ☐ #

No, the answer is incorrect.

Score: 0

Accepted Answers:

" "

24) What does IDE stand for?

1 point

- ☐ Integrated Development Electronics
- ☐ Integrated Drive Environment
- ☐ Integrated Development Environment
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Integrated Development Environment

25) Output for the bitwise operation 3&5 is:-

1 point

- ☐ 3
- ☐ 1
- ☐ 5
- ☐ 7

No, the answer is incorrect.

Score: 0

Accepted Answers:

1