

Question based on introduction to python

2023 -comp

1. State True or False.

“Comments are not executed by interpreter”

Ans:- True

2. Which of the following is not a sequential data type in Python?

(a) Dictionary (b) String (c) List (d) Tuple

Ans:- (a) Dictionary

3. Consider the given expression:

$7 < 4$ or $6 > 3$ and not $10 == 10$ or $17 > 4$

Which of the following will be the correct output if the given expression is evaluated ?

(a) True (b) False (c) NONE (d) NULL

Ans:-

$7 < 4$ or $6 > 3$ and not $10 == 10$ or $17 > 4$

False or True and not True or True

False or True and False or True

False or False or True

False or True

True

4. Which of the following is an example of identity operators of Python ?

(a) is (b) on (c) in (d) not in

Ans:-is

5. What will the following expression be evaluated to in Python ?

`print(6/3 + 4**3//8-4)`

(a) 6.5 (b) 4.0 (c) 6.0 (d) 4

Ans:- $6/3 + 4**3//8-4$

$6/3 + 64//8-4$

$2.0+8-4$

6.0

2023

1. State True or False.

“Identifiers are names used to identify a variable, function in a program”.

Ans:- True

2. Which of the following is a valid keyword in Python ?

(a) false (b) return (c) non_local (d) none

Ans:- return

4. Consider the given expression:

$5 < 10$ and $12 > 7$ or not $7 > 4$

Which of the following will be the correct output, if the given expression is evaluated?

(a) True (b) False (c) NONE (d) NULL

Ans:- $5 < 10$ and $12 > 7$ or not $7 > 4$

True and True or not True

True and True or False

True or False

True

5. Which of the following operators will return either True or False ?

(a) += (b) != (c) = (d) *

Ans:- !=

6. What will the following expression be evaluated to in Python ?

`print(4+3*5/3-5%2)`

(a) 8.5 (b) 8.0 (c) 10.2 (d) 10.0

Ans:- `4+3*5/3-5%2`
`4+15/3-1`
`4+5.0-1`
`8.0`

2021-comp

1. Which of the following options is/are not Python Keywords ? 1

(A) False (B) Math (C) WHILE (D) break

Ans:- B) Math (C) WHILE

3. Identify the statement(s) from the following options which will raise TypeError exception(s) : 1

(A) `print('5' * 3)` (B) `print( 5 * 3)`
(C) `print('5' + 3)` (D) `print('5' + '3')`

Ans:- (C) `print('5' + 3)`

4. Identify the valid relational operator(s) in Python from the following : 1

(A) = (B) < (C) <> (D) not

Ans:- (B) <

5. For a string S declared as `S = 'PYTHON'`, which of the following is incorrect? 1

(A) `N=len(S)` (B) `T = S` (C) `'T' in S` (D) `S[0] = 'M'`

Ans:- (D) `S[0] = 'M'`

6. Evaluate the following Python expressions: 2

(a) `2 * 3 + 4 ** 2-5 // 2`
(b) `6 < 12 and not (20 > 15) or (10 > 5)`

Ans:- (a) `2 * 3 + 4 ** 2-5 // 2`
`2 * 3 + 16-5 // 2`
`6+ 16-2`
`20`

(b) `6 < 12 and not (20 > 15) or (10 > 5)`

`True and not True or True`

`True and False or True`

`False or True`

`True`

2020

1. Which of the following is not a valid variable name in Python?

Justify reason for it not being a valid name. 1

(i) 5Radius (ii) Radius_ (iii) _Radius (iv) Radius

Ans:-5Radius:- identifiers cannot start with digit

2. Which of the following are keywords in Python ? 1

(i) break (ii) check (iii) range (iv) while

Ans:- i) break iv) while

3. Write the names of the immutable data objects from the following : 1

(i) List (ii) Tuple (iii) String (iv) Dictionary

Ans:- (ii) Tuple (iii) String

4. Which of the options out of (i) to (iv) is the correct data type for the variable Vowels as defined in the following Python statement ? 1

Vowels = ('A', 'E', 'I', 'O', 'U')

(i) List (ii) Dictionary

(iii) Tuple (iv) Array

Ans:- (iii) Tuple

2019

Which of the following are valid operators in Python:

(i) ** (ii) */ (iii) like (iv) ||

(v) is (vi) ^ (vii) between (viii) in

Ans:- (i) ** (v) is (vi) ^ (viii) in

2017

1 . Which of the following can be used as valid variable identifier(s) in Python ? 2

(i) 4thSum (ii) Total (iii) Number# (iv) _Data

Ans:- ii) Total iv) _Data

2 (a) Which of the following can be used as valid variable identifier(s) in Python ? 2

(i) total (ii) 7Salute (iii) Que\$tion (iv) global

Ans:- total

2016-delhi

(a) Out of the following, find those identifiers, which cannot be used for naming Variable or Functions in a Python program: 2

Price*Qty, class, For, do,
4thCol, totally, Row31, _Amount

Ans:- Price*Qty, class, do, 4thCol,

2016

1. Out of the following, find those identifiers, which cannot be used for naming Variable or Functions in a Python program: 2

**Total*Tax, While, class, switch,
3rdRow, finally, Column31, _Total**

Ans:- Total*Tax , class, 3rdRow, finally

SQP-2024

1. What will be the output of the following statement?

print(3-2**2**3+99/11)

a. 244 b. 244.0 c. -244.0 d. Error

Ans:- 3-2**2**3+99/11 => 3-2**8+99/11 => 3-256+99/11
=> 3-256+9.0 => 3-256+9.0 => -253+9.0 => -244.0

2. Assertion(A): List is an immutable data type

Reasoning(R): When an attempt is made to update the value of an immutable variable, the old variable is destroyed and a new variable is created by the same name in memory.

Ans:- Option d :-A is false but R is True

SQP-2023

1. State True or False

“Variable declaration is implicit in Python.”

Ans:- True

2. Consider the given expression:

not True and False or True

Which of the following will be correct output if the given expression is evaluated?

(a) True (b) False (c) NONE (d) NULL

Ans:- not True and False or True

False and False or True

False or True

True

3. What will the following expression be evaluated to in Python?

print(15.0 / 4 + (8 + 3.0))

(a) 14.75 (b) 14.0 (c) 15 (d) 15.5

Ans:- 15.0 / 4 + (8 + 3.0)

15.0 / 4 + (11.0)

15.0 / 4 + (11.0)

3.75+11.0

14.75

SQP -2022

1. Find the invalid identifier from the following

a. none b. address c. Name d. pass

Ans:-pass

2. Consider a declaration L = (1, 'Python', '3.14').

Which of the following represents the data type of L?

a. list b. tuple c. dictionary d. string

Ans:- tuple

3. The return type of the input() function is

a. string b. integer c. list d. tuple

Ans:- string

4. Which of the following operator cannot be used with string data type?

a. + b. in c. * d. /

Ans:- /

5. Which of the following symbol is used in Python for single line comment?

a. / b. /* c. // d. #

Ans:-#

6. What is the output of following code:

T=(100)

print(T*2)

a. Syntax error b. (200,) c. 200 d. (100,100)

Ans:- c. 200

7. Evaluate the following expression and identify the correct answer.

$16 - (4 + 2) * 5 + 2**3 * 4$

a. 54 b. 46 c. 18 d. 32

Ans:- $16 - (4 + 2) * 5 + 2**3 * 4$

$16 - (6) * 5 + 2**3 * 4$

$16 - (6) * 5 + 8 * 4$

$16 - 30 + 32$

18

SQP-2021

1. Find the invalid identifier from the following

a) MyName b) True c) 2ndName d) My_Name

Ans:- b) True c) 2ndName

2. Identify the valid arithmetic operator in Python from the following.

a) ? b) < c) ** d) an

Ans:- **

3. Evaluate the following expressions:

a) $6 * 3 + 4**2 // 5 - 8$

b) $10 > 5$ and $7 > 12$ or not $18 > 3$

Ans:- a) $6 * 3 + 4**2 // 5 - 8$

$6 * 3 + 16 // 5 - 8$

$18 + 16 // 5 - 8$

$18 + 3 - 8$

21-8

13

b) $10 > 5$ and $7 > 12$ or not $18 > 3$

True and False or not True

True and False or False

False or False

False

2. Identify the valid declaration of L:

L = ['Mon', '23', 'hello', '60.5']

a. dictionary b. string c. tuple d. list

Ans:- d) List

SQP 2020

1. Which of the following is valid arithmetic operator in Python:

(i) // (ii) ? (iii) < (iv) and

Ans:- //

2. Write the type of tokens from the following:

(i) if (ii) roll_no

Ans:- if :- keyword

Roll_on:- identifier

3. Which is the correct form of declaration of dictionary?

- (i) Day={1:'monday',2:'tuesday',3:'wednesday'}
- (ii) Day=(1;'monday',2;'tuesday',3;'wednesday')
- (iii) Day=[1:'monday',2:'tuesday',3:'wednesday']
- (iv) Day={1'monday',2'tuesday',3'wednesday'}

Ans:- (i) Day={1:'monday',2:'tuesday',3:'wednesday'}

4. 1. Identify the valid declaration of L:

L = [1, 23, 'hi', 6].

- (i) list
- (ii) dictionary
- (iii) array
- (iv) tuple

Ans:- (i) list