

REVISION TOUR CONCEPTS QUESTIONS

1. State True or False.
"Identifiers are names used to identify a variable, function in a program".
2. Which of the following is a valid keyword in Python ?
(a) false (b) return
(c) non_local (d) none
3. Given the following Tuple
Tup= (10, 20, 30, 50)
Which of the following statements will result in an error ?
(a) print(Tup[0]) (b) Tup.insert (2,3)
(c) print(Tup[1:2]) (d) print(len(Tup))
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
5. Select the correct output of the code :
S= "Amrit Mahotsav @ 75"
A=S.partition (" ")
print (a)
(a) ('Amrit Mahotsav','@','75')
(b) ['Amrit','Mahotsav','@','75']
(c) ('Amrit', 'Mahotsav @ 75')
(d) ('Amrit', '', 'Mahotsav @ 75')
6.
 - (a) Given is a Python list declaration :
Listofnames=["Aman","Ankit","Ashish","Rajan","Rajat"]
Write the output of :
print (Listofnames [-1:-4:-1])
 - (b) Consider the following tuple declaration :
tup1=(10,20,30,(10,20,30),40)
Write the output of :
print(tup1.index(20))
- 7.

REVISION TOUR CONCEPTS QUESTIONS

State True or False.

“Comments are not executed by interpreter.”

Which of the following is **not** a sequential datatype in Python ?

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

Given the following dictionary

```
Day={1:"Monday", 2: "Tuesday", 3: "Wednesday"}
```

Which statement will return "Tuesday".

- (a) `Day.pop()`
- (b) `Day.pop(2)`
- (c) `Day.pop(1)`
- (d) `Day.pop("Tuesday")`

Consider the given expression :

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

Select the correct output of the code :

```
S="Amrit Mahotsav @ 75"
```

```
A=S.split(" ",2)
```

```
print(A)
```

- (a) `('Amrit', 'Mahotsav', '@', '75')`
- (b) `['Amrit', 'Mahotsav', '@ 75']`
- (c) `('Amrit', 'Mahotsav', '@ 75')`
- (d) `['Amrit', 'Mahotsav', '@', '75']`

REVISION TOUR CONCEPTS QUESTIONS

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

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

Which of the following statement(s) would give an error after executing the following code ?

```
S="Happy"           # Statement 1
print(S*2)          # Statement 2
S+="Independence"   # Statement 3
S.append("Day")      # Statement 4
print(S)            # Statement 5
```

- (a) Statement 2
- (b) Statement 3
- (c) Statement 4
- (d) Statement 3 and 4

Which of the following functions is a valid built-in function for both list and dictionary datatype ?

- (a) `items()`
- (b) `len()`
- (c) `update()`
- (d) `values()`

8.

What will be the output of the following statement :

```
print (16*5/4*2/5-8)
```

- (a) `-3.33`
- (b) `6.0`
- (c) `0.0`
- (d) `-13.33`

What possible output from the given options is expected to be displayed when the following Python code is executed ?

```
import random
Signal = ['RED', 'YELLOW', 'GREEN']
for K in range(2, 0, -1) :
    R = random.randrange(K)
    print (Signal[R], end = '#')
```

- (a) `YELLOW # RED #`
- (b) `RED # GREEN #`
- (c) `GREEN # RED #`
- (d) `YELLOW # GREEN #`

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Identify the invalid Python statement from the following :

- (a) `d = dict()`
- (b) `e = {}`
- (c) `f = []`
- (d) `g = dict{}`

Consider the statements given below and then choose the correct output from the given options :

```
myStr="MISSISSIPPI"
```

```
print(myStr[:4]+"#"+myStr[-5:])
```

- (a) `MISSI#SIPPI`
- (b) `MISS#SIPPI`
- (c) `MISS#IPPIS`
- (d) `MISSI#IPPIS`

Identify the statement from the following which will raise an error :

- (a) `print("A"*3)`
- (b) `print(5*3)`
- (c) `print("15" + 3)`
- (d) `print("15" + "13")`

Select the correct output of the following code :

```
event="G20 Presidency@2023"
```

```
L=event.split(' ')
```

```
print(L[::-2])
```

- (a) `'G20'`
- (b) `['Presidency@2023']`
- (c) `['G20']`
- (d) `'Presidency@2023'`

REVISION TOUR CONCEPTS QUESTIONS

State True or False :

"In Python, tuple is a mutable data type".

The primary key is selected from the set of _____ .

- (A) composite keys
- (B) alternate keys
- (C) candidate keys
- (D) foreign keys

What will be the output of the following statement ?

```
print(6+5/4**2//5+8)
```

- (A) -14.0
- (B) 14.0
- (C) 14
- (D) -14

Select the correct output of the code :

```
S = "text#next"  
print(S.strip("t"))
```

- (A) ext#nex
- (B) ex#nex
- (C) text#nex
- (D) ext#next

Identify the valid Python identifier from the following :

- (A) 2user
- (B) user@2
- (C) user_2
- (D) user 2

Consider the statements given below and then choose the correct output from the given options :

```
Game="World Cup 2023"  
print(Game[-6::-1])
```

- (A) CdrW
- (B) ce o
- (C) puC dlroW
- (D) Error

Predict the output of the following Python statements :

```
>>>import statistics as s  
>>>s.mode ([10, 20, 10, 30, 10, 20, 30])
```

- (A) 30
- (B) 20
- (C) 10
- (D) 18.57

REVISION TOUR CONCEPTS QUESTIONS

Which of the following output will never be obtained when the given code is executed ?

```
import random
Shuffle = random.randrange(10)+1
Draw = 10*random.randrange(5)
print ("Shuffle", Shuffle, end="#")
print ("Draw", Draw)
```

- (A) Shuffle 1 # Draw 0
- (B) Shuffle 10 # Draw 10
- (C) Shuffle 10 # Draw 0
- (D) Shuffle 11 # Draw 50

- (a) Write the Python statement for **each** of the following tasks using BUILT-IN functions/methods only : 1+1
- (i) To delete an element 10 from the list **lst**.
 - (ii) To replace the string "**This**" with "**That**" in the string **str1**.

OR

- (b) A dictionary **dict2** is copied into the dictionary **dict1** such that the common key's value gets updated. Write the Python commands to do the task and after that empty the dictionary **dict1**.

10.

State True or False :

"A Python List must always contain all its elements of same data type."

What will be the output of the following statement ?

```
print(14%3**2*4)
```

- | | |
|--------|---------|
| (A) 16 | (B) 64 |
| (C) 20 | (D) 256 |

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Identify the correct output of the following code snippet :

```
game="Olympic2024"  
print(game.index("C"))
```

- (A) 0
- (B) 6
- (C) -1
- (D) ValueError

Which of the following is the correct identifier ?

- (A) **global**
- (B) **Break**
- (C) **def**
- (D) **with**

Identify the invalid Python statement out of the following options :

- (A) `print("A",10,end="*")`
- (B) `print("A",sep="*",10)`
- (C) `print("A",10,sep="*")`
- (D) `print("A"*10)`

Consider the statements given below and then choose the correct output from the given options :

```
L=['TIC', 'TAC']  
print(L[::-1])
```

- (A) ['CIT', 'CAT']
- (B) ['TIC', 'TAC']
- (C) ['CAT', 'CIT']
- (D) ['TAC', 'TIC']

Which of the following operator evaluates to **True** if the variable on either side of the operator points towards the same memory location and **False** otherwise ?

- (A) **is**
- (B) **is not**
- (C) **and**
- (D) **or**

REVISION TOUR CONCEPTS QUESTIONS

Consider the statements given below and then choose the correct output from the given options :

```
D={'S01':95, 'S02':96 }
```

```
for I in D :
```

```
    print(I,end='#')
```

(A) S01#S02#

(B) 95#96#

(C) S01,95#S02,96#

(D) S01#95#S02#96#

Which of the following built-in function/method returns a dictionary ?

(A) `dict()`

(B) `keys()`

(C) `values()`

(D) `items()`

11.

State if following statement is True or False :

If **T** is a tuple and **L** is a list, then **T+L** is a valid statement in Python.

Identify the output of the following code segment :

```
s = "an apple. a toy."
```

```
s=s.find('a',2)
```

```
print(s)
```

(A) 0

(B) 1

(C) 3

(D) 'a'

What is the value of the following expression ?

```
3 + 3.00, 3**3.0
```

(A) [6.0, 27.0]

(B) (6.0, 9.0)

(C) (6, 27)

(D) (6.0, 27.0)

What is the output of the following expression ?

```
Sports="Paralympic Games"
```

```
print (Sports.split("m"))
```

(A) ['Paraly', 'm', 'pic Ga', 'm', 'es']

(B) ('Paraly', 'm', 'pic Games')

(C) ('Paraly', 'pic Ga', 'es')

(D) ['Paraly', 'pic Ga', 'es']

REVISION TOUR CONCEPTS QUESTIONS

What will be the output of the following code segment ?

```
p=list("Session 2024-25")  
print(p[10:20:])
```

Which of the following is a mapped data type ?

- | | |
|----------------|-------------|
| (A) List | (B) Sets |
| (C) Dictionary | (D) Boolean |

If the dictionary D1 is defined as :

```
D1={1:'a',2:'b'}
```

then which of the following statements is *incorrect* and hence will result in an error ?

- | | |
|---------------|----------------|
| (A) D1.get(1) | (B) D1.get(3) |
| (C) D1.del(1) | (D) D1.clear() |

Which of the following list methods accepts exactly 2 parameters ?

- | | |
|--------------|--------------|
| (A) append() | (B) extend() |
| (C) insert() | (D) pop() |

State whether the following statement is True or False.

In Python, the `print()` evaluates the expression before displaying it on the screen.