

Random Output - 10 Questions

1.

Which of the following option can be the output for the following code?

```
import random
List=["Delhi","Mumbai","Chennai","Kolkata"]
for y in range(4):
    x = random.randint(1,3)
    print(List[x],end="#")
```

- (a) Delhi#Mumbai#Chennai#Kolkata#
(c) Mumbai#Mumbai#Mumbai#Delhi#

- (b) Mumbai#Chennai#Kolkata#Mumbai#
(d) Mumbai#Mumbai#Chennai#Mumbai#

2

What possible output(s) are expected to be displayed on screen at the time of execution of the program from the following code?

```
import random
ar = [2, 3, 4, 5, 6, 7]
minn = random.randint (1, 3)
maxn = random.randint (2, 4)
for i in range (minn, maxn + 1):
    print (ar [i], end = '#')
```

- (a) 3# 4# 5#

- (b) 5# 6# 7#

- (c) 1# 4# 7#

- (d) 4# 5# 7#

3.

What will be the output of following code?

```
import random
AR=[20,30,40,50,60,70]
Lower =random.randint(1,3)
Upper =random.randint(2,4)
for K in range(Lower, Upper +1):
    print(AR[K],end="#")
```

- (a) 10#40#70#
(c) 50#60#70#

- (b) 30#40#50#
(d)40#50#70#

4.

What is the output of the following code snippet?

```
import random
AR=[20,30,40,50,60,70];
FROM=random.randint(1,3)
TO=random.randint(2,4)
for K in range(FROM,TO+1):
    print(AR[K],end="#")
```

- (a) 10#40#70#
(c) 50#60#70#

- (b) 30#40#50#
(d) 40#50#70#

5.

What will be the output of the following code?

```
import random
X=random.random( )
Y=random.randint(0, 4)
print(int(X), “:”, Y+int(X))
```

(a) 0:0

(b) 1:6

(c) 2:4

(d) 0:4

6.

What will be the output of following code?

```
import random
X=3
N=random.randint(1, X)
for i in range(N):
    print (i, ‘#’, i+1)
```

(a) 3#4

(b) 4#5

(c) 5#6

(d) 2#3

7.

What is the output of following code?

```
import random
list1 = [2, 3, 4, 5, 6, 7, 9]
L = random.randint(1, 4)
U = random.randint(3, 5)
for K in range (L, U + 1):
    print(list1 [K], end = “#”)
```

(a) 2 # 4 # 6 #

(c) 2 # 5 # 9 #

(b) 3 # 4 # 6 #

(d) 2 # 3 # 4 #

8.

What is the output of following code?

```
import random
X = [100, 75, 10, 125]
Go = random.randint (0, 3)
for i in range (Go):
    print (X[i], “$$”)
```

(a) 100\$\$75\$\$10\$\$

(c) 75\$\$10\$\$

(b) 75\$\$10\$\$125\$\$

(d) 10\$\$125\$\$100

9.

What will be the output of following code?

```
import random
arr=[2, 3, 4, 5, 6, 7]
min=random.randint(1, 3)
max=random.randint(2, 4)
for i in range(min, max+1):
    print(arr[i], end="*")
```

(a) 1*4*7*

(b) 3*4*5*

(c) 5*6*7*

(d) 4*5*7*

10.

What will be the output of the following Python code:

```
import random
AR = ['A','B','C','D','E','F','G']
FROM = random.randrange(1,3)
TO = random.randrange(2,4)
for K in range(FROM, TO+1):
    print(AR[K], end='#')
```

A. B#C#

B. B#C#D#

C. None

D. both A and B

Answers

1. B -
Minimum index number for random module is 1 and maximum index number is 3. Value which will be accessed from list as Mumbai, Chennai, Kolkata and its sequence will be same as they written.
2. A
randint() method returns a random. So, it will give syntax error integer value between the two higher and lower limits provided as two parameters. So, the output will be in between 3 to 5 because its lower index number and upper index number are 1 and 4, respectively
3. B
Values for Lower will be 1, 2, 3 and for Upper will be 2, 3, 4. So, minimum index number is 1 and the maximum index number is 4. So, output will be among values 30, 40, 50 and 60.
4. B
Range of the for loop will start from index number 1 to index number 4, i.e. elements 30 to 60. So, the value AR[K] should be between 30 and 60.
5. A
Minimum value and maximum value are 0 and 3, respectively. So, output should be in numbers between 0 and 3.
6. D
The expected value of N will be 1, 2, 3. So, for loop will go maximum limit 3.
7. B
The minimum and maximum index number are 1 and 5 respectively. Value for L can be 1, 2, 3, 4 and value for U can be 3, 4, 5. So, range for for loop can be 1 to 5.
8. A
9. B
The value of min could be 1, 2, 3 and the value of max could be 2, 3, 4. So, range for 'for' loop will be 1 to 5, in which elements of lists are 2, 3, 4, 5 and 6.
10. D