

Introduction to Programming and Data Structures – Surprise Test

Name:

Roll Number:

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Select the correct o/p of the following Python programs (without execution) and state reasons:

1.

```
quality = "Out" "standing"
print (quality)
```

i) Out, ii) standing, iii) Out standing, iv) Outstanding.
2.

```
sachin, sourav, draavid = 2, 6, 6
sachin = sourav == draavid
print (int(sachin))
```

i) 0, ii) 1, iii) 2, iv) 6.
3.

```
i = 2^3
print (i)
```

i) 0, ii) 1, iii) 8, iv) 9.
4.

```
if ---1:
    print ("Santa", end = "")
if ((~7 & 0x000f) == 8):
    print ("Banta", end = "")
print ("**")
```

i) Santa*, ii) Banta*, iii) SantaBanta*, iv) *.
5.

```
a = 2
if a >> 1:
    print ("Value =", a)
```

i) Value = 0, ii) Value = 1, iii) Value = 2, iv) Value =.
6.

```
a, b = 5, 10
a ^= b
b ^= a
a ^= b
print (a, b)
```

i) 5 10, ii) 10 5, iii) 5 5, iv) 10 10.
7.

```
num = 16
if (num & (num - 1)) == 0:
    print ("Yes")
else:
    print ("No")
```

i) Yes, ii) No, iii) YesNo, iv) Error.
8.

```
for i in range(5, 1, -1):
    print (i, end = " ")
```

i) 5 4 3 2 1 0, ii) 5 4 3 2 1, iii) 5 4 3 2, iv) 5 1 -1.
9.

```
for i in (5, 1, -1):
    print (i, end = " ")
```

i) 5 4 3 2 1 0, ii) 5 4 3 2 1, iii) 5 4 3 2, iv) 5 1 -1.
10.

```
if -100 % 3 + 100 % -3:
    print ("1")
print ("**")
```

i) *, ii) 1*, iii) 11*, iv) 111*.

