

## Chapter 5 Flow Of Control WS 2

Write the output(o/p) of the following code snippets

1)

```
for i in range(3):
```

```
    print(i)
```

o/p

0

1

2

2)

```
for i in range(1, 6):
```

```
    print(i * 2)
```

o/p

2

4

6

8

10

3)

```
for i in range(5, 0, -1):
```

```
    print(i)
```

o/p

5

4

3

2

1

4)

```
for i in range(0, 10, 3):
```

```
    print(i)
```

o/p

0

3

6

9

5)

```
for letter in "hello":
```

```
    print(letter)
```

o/p

h

e

l

l

o

6)

```
for i in range(1, 6):
```

```
    if i % 2 == 0:
```

```
        print("Even")
```

```
    else:
```

```
        print("Odd")
```

o/p

Odd

Even

Odd

Even

Odd

7)

```
num=[1,2,3,4,5,6,7,8,9]
```

```
for a in num:
```

```
    if a%2==0:
```

```
        print(a,"is an even number")
```

o/p

2 is an even number

4 is an even number  
6 is an even number  
8 is an even number

8)

```
numbers = [10, 20, 30, 40, 50]
```

```
sum = 0
```

```
for num in numbers:
```

```
    sum += num
```

```
print("Sum:", sum)
```

o/p

Sum: 50

9)

```
message = "Hello, Python!"
```

```
for char in message:
```

```
    print(char)
```

o/p

H

e

l

l

o

,

P

y

t

h

o

n

!

10)

```
for i in range(1, 4):
```

```
    print(i + 1)
```

```
    print(i * 2)
```

o/p

2

2

3

4

4

6

11)

```
s = 0
```

```
for i in range(1, 4):
```

```
    s += i
```

```
    print(s)
```

o/p

1

3

6

12)

```
for i in range(1, 4):
```

```
    for j in range(1, 3):
```

```
        print(i, j)
```

o/p

1 1

1 2

2 1

2 2

3 1

3 2

13)

```
for ch in "PY":
```

```
    for i in range(2):
```

```
        print(ch, i)
```

o/p

P 0

P 1

Y 0

Y 1

14)

```
for i in range(1, 10):
```

```
    if i == 3:
```

```
        break
```

```
    print(i)
```

o/p

1

2

15)

```
for i in range(1, 10):
```

```
    if i == 3:
```

```
        continue
```

```
    print(i)
```

o/p

1

2

4

5

6

7

8

9

16)

```
i = 1
```

```
while i <=10 :
```

```
    print(i)
```

```
    i += 1
```

o/p

1

2

3  
4  
5  
6  
7  
8  
9  
10

17)

```
i = 3
```

```
while i > 0:
```

```
    print("Hello")
```

```
    i -= 1
```

o/p

Hello

Hello

Hello

18)

```
i = 1
```

```
while i < 10:
```

```
    if i % 2 == 0:
```

```
        print(i)
```

```
    i += 1
```

o/p

2

4

6

8

19)

```
x = 1
```

```
while x <= 5:
```

```
    print(x * '*')
```

```
    x += 1
```

o/p

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

20)

i = 10

while i > 0:

    if i == 5:

        break

    print(i)

    i -= 2

o/p

10

8

6

4

2