

Assignment Question 2**Date: 27/04/2025**

```
# print 0 to 20 using range
```

```
for i in range(21):  
    print(i)
```

```
↩ 0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20
```

```
# print range 10 to 20
```

```
numbers = range(10, 21)  
for i in numbers:  
    print(i, end = ' ')
```

```
↩ 10 11 12 13 14 15 16 17 18 19 20
```

```
# print the number of items in the list by using 'len'
```

```
list_a = [10, 20, 14, 55, 43, 87, 76]  
print(list_a)
```

```
Number_of_items = len(list_a)  
print('Number of items in the List2: ', Number_of_items)
```

```
↩ [10, 20, 14, 55, 43, 87, 76]  
Number of items in the List2: 7
```

```
text = 'Artificial Intelligence'  
print(text)
```

```
for char in text:  
    print(char)
```

```
↩ Artificial Intelligence  
A  
r  
t  
i  
f  
i  
c  
i  
a  
l  
  
I  
n  
t  
e  
l  
l  
i  
g  
e
```

```
n
c
e
```

```
Your_Name = 'Anusha'
Your_Age = 40
Your_Profession = 'Lecturer'

print('Your_Name = ', Your_Name)
print('Your_Age = ', Your_Age)
print('Your_Profession =', Your_Profession)
```

```
↵ Your_Name = Anusha
   Your_Age = 40
   Your_Profession = Lecturer
```

```
# print mixed data type using tuples
```

```
tuple_a = (1, 'Welcome', 2, 'Hope')
print(tuple_a)
```

```
↵ (1, 'Welcome', 2, 'Hope')
```

```
tuple_a = (1, 2, 3, 4)
tuple_b = ('Python', 'Hope')
tuple_c = (tuple_a, tuple_b)
print(tuple_c)
```

```
↵ ((1, 2, 3, 4), ('Python', 'Hope'))
```

```
# print odd numbers in the list
```

```
numbers = [20, 10, 16, 19, 25, 1, 276, 188]
print(numbers)
```

```
for i in numbers:
    if i % 2 != 0:
        print(i, 'is odd')
```

```
↵ [20, 10, 16, 19, 25, 1, 276, 188]
   19 is odd
   25 is odd
   1 is odd
```

```
# print even numbers in the list
```

```
numbers = [20, 10, 16, 19, 25, 1, 276, 188]
print(numbers)
```

```
for i in numbers:
    if i % 2 == 0:
        print(i, 'is even')
```

```
↵ [20, 10, 16, 19, 25, 1, 276, 188]
   20 is even
   10 is even
   16 is even
   276 is even
   188 is even
```

