

```
In [4]: #Question 1
n=int(input("Please enter a number: "))
for i in range (1, n+1):
    print(i)
for i in range (5, 0):
    print(i)
```

Please enter a number: 10

1
2
3
4
5
6
7
8
9
10

```
In [6]: #Question 1
for i in range (10, 0, -1):
    print(i)
```

10
9
8
7
6
5
4
3
2
1

```
In [11]: #Question 2
for x in range(2000, 3201):
    if (x%7==0) and (x%5!=0):
        print (x)
```

```
2044
2051
2058
2072
2079
2086
2093
2107
2114
2121
2128
2142
2149
2156
2163
2177
2184
2191
2198
2212
-----
```

```
In [13]: #Question 3
addsq=0
sqsum=0
for i in range (1, 101):
    addsq+=i
    sqsum+=i**2
result=addsq-(addsq**2)
print(result)
```

```
-25497450
```

In [21]: *#Question 4*

```
li=[]  
for i in range(11):  
    li.append(i)  
print(li)
```

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

In [32]: *#Question 5*

```
li=[]  
for i in range(1, 21):  
    if i%2==0:  
        li.append(i)  
print(li)
```

[2, 4, 6, 8, 10, 12, 14, 16, 18, 20]