

In [5]:

```
1 start = int(input("Enter the starting number: "))
2 end = int(input("Enter the ending number: "))
3
4 for num in range(start, end + 1):
5     if num % 2 == 1:
6         print(num, end = " ")
```

Enter the starting number: 0

Enter the ending number: 10

1 3 5 7 9

In [43]:

```
1 num = [1,2,32,4,48]
2 for index,value in enumerate(num):
3     # print(index,value)
4     if(value%2 == 0):
5         num.remove(value)
6 #del num[index]
7 # print(num)
8 print(num)
```

[1, 32, 48]

In [50]:

```
1 num = [1,2,32,4,49]
2 for index,value in enumerate(num):
3     print(index,value)
4     if(value%2 == 0):
5         num[index] = -1
6 while -1 in num:
7     num.remove(-1)
8 print(num)
```

Index 0 value 1

Index 1 value 2

Index 2 value 32

Index 3 value 4

Index 4 value 49

[1, 49]

```
1 Write a program that forms a list of first character of every word in the another list
```

In [16]:

```
1 L1 = ['Arjun', 'bbb', 'ccc']
2 L2 = []
3 for string in L1:
4     L2.append(string[0])
5 print(L2)
```

['a', 'b', 'c']

In [13]:

```
1 L2
```

Out[13]:

```
['a', 'b', 'c']
```

Matrix Addition

In [31]:

```
1 #matrix addition
2 #nested list(list inside another list)
3 mat = [[1,2,3],[4,5,6]]
4 mat[0][2]
5 mat[1][0:]
```

Out[31]:

```
[4, 5, 6]
```

In [36]:

```
1 mat1 = [[1,2,3],[4,5,6],[7,8,9]]
2 mat2 = [[3,2,1],[6,5,4],[9,8,7]]
3 res = [[0,0,0],[0,0,0],[0,0,0]]
4 len(mat1[0])
```

Out[36]:

```
3
```

In [39]:

```
1 for i in range (len(mat1)):
2     for j in range(len(mat1[0])):
3         res[i][j] = mat1[i][j] + mat2[i][j]
4 for mat in res:
5     print(mat)
```

```
[4, 4, 4]
[10, 10, 10]
[16, 16, 16]
```

List inside Tuple

In [53]:

```
1 Topper = ("Mike",[45,23,56,45])
2 print("The name of the topper is:",Topper[0])
3 print("His mark is ",Topper[1])
```

```
The name of the topper is: Mike
His mark is  [45, 23, 56, 45]
```

In [54]:

```
1 #can change the value of the list elements inside a tuple
2 print(max(Topper[1]))
```

56

In [57]:

```
1 email_id = "E0222054sret.edu.in"
2 print(email_id[:-11])
```

E0222054

Write a program that has two sequences. First which stores and second stores corresponding answer use the zip function to form a valid question and answers series.

In [59]:

```
1 que = ["name", "age", "id"]
2 ans = ["Mike", 20, 45687]
3 for q,a in zip(que,ans):
4     print("What is your", q, "?")
5     print("My", q, "is", a)
```

What is your name

My name is Mike

What is your age

My age is 20

What is your id

My id is 45687

In [60]:

```
1 que = ["name", "age", "id"]
2 ans = ["Mike", 20, 45687]
3 for q,a in zip(que,ans):
4     print(q,a)
```

name Mike

age 20

id 45687

In [61]:

```
1 #String is immutbale
2 string = "Mike"
3 string[0]
```

Out[61]:

'M'

In [64]:

```
1 string = input("Enter any word:")
2 string = string.lower()
3 string1 = string[::-1]
4 if (string==string1):
5     print("Its a palindrome")
6 else:
7     print("Its not an palindrome")
```

Enter any word:Mam

Its a palindrome

```
1 Write a program that accepts differentr number of arguments and return sum of only
  the positive values
2 Write a program that vombines the two list
3 Write a program to cube every elements in the tuple
4 Write a program that has list of numbers (Both positive and negative). Make a new
  tuple that has only positive values for the tuple.
```

print the character which presents more than 3 times in a given string

In [73]:

```
1 char = "gyyyyfugsgdagu"
2 for i in set(list(char)):
3     if char.count(i) > 3:
4         print(i)
```

g
y

In []:

1