

1. Write a program in python to check whether an input number is prime or not

In [10]:

```
n=int(input("Enter a number :"))
count=0
if n==0 | n==1:
    print("Entered number is not prime")
for i in range(2,n):
    if n%i==0:
        count+=1
if count==0:
    print("The Entered number is prime")
else:
    print("The entered number is not prime")
```

Enter a number :24

The entered number is not prime

2. Write a program in python to remove all occurrences of a specific item from a list

In [13]:

```
listSize=int(input("Enter the size of the list: "))
l=[]
for i in range(listSize):
    l.append(input())
print("The entered list is ",l)
item=input("Enter the item whose occurrences are to be deleted")
for i in range(l.count(item)):
    l.remove(item)
print("List after removing ",item, "list is ",l)
```

Enter the size of the list: 4

hi

hello

hi

good

The entered list is ['hi', 'hello', 'hi', 'good']

Enter the item whose occurrences are to be deleted: hi

List after removing hi list is ['hello', 'good']

3. Write a program in python to count the occurrences of a word in a line of text

In [23]:

```
line=input("Enter the line of text: ")
l=line.split(" ")
print(list(l))
word=input("Enter the word to be counted: ")
Occurrences=l.count(word)
print("Number of Occurances: ",Occurrences)
```

```
Enter the line of text: hi hi hello
['hi', 'hi', 'hello']
Enter the word to be counted: hi
Number of Occurances:  2
```

In [ ]: