```
sum=0
a=153
while(a!=0):
    rem=a%10
    c=rem*rem*rem
    sum=sum+c
    a=a/10
print(sum)
```

```
n=int(input("enter the numbers"))
list=[]
for i in range(n):
    value=int(input("enter number"))
    list.append (value)
t=list[0]
for i in range(n):
    for j in range(n):
        if(list[i]<list[j]):
            t=list[i]
            list[i]=list[j]
            list[j]=t
print list
```

```
n=int(input("enter the numbers"))
list=[]
a=0
for i in range(n):
    value=int(input("enter number"))
    list.append (value)
for i in range(n):
    a=a+list[i]
print("the average is",a/n)
```

```
file=open("priya.txt","r")
name=file.readlines()
girlname=0
boyname=0
for i in range (len(name)):
    str=name[i]
    print str
    if(str[len(str)-2]=='a' or str[len(str)-2]=='i'):
        girlname=girlname+1
    else:
        boyname=boyname+1
file.close();
print("girlname",girlname)
print("boyname",boyname)
```

```
list=[]
for i in range(5):
    value=int(input("enter the value"))
    list.append(value)
print list
```

```
n=int(input("enter the numbers"))
list=[]
for i in range(n):
    value=int(input("enter number"))
    list.append (value)
t=list[0]
for i in range(n):
    for j in range(n):
        if(list[i]>list[j]):
            t=list[i]
            list[i]=list[j]
            list[j]=t
print list
```

```
amount=int(input("enter amount"))
if(amount>10000 and amoun<2000):
    discount=float(amount*0.1)
elif(amount>2000 and amount<10000):
    discount=float(amount*0.2)
elif(amount>5000 and amount<1000):
    discount=float(amount*0.3)
elif(amount>1000 and amount<50000):
    discount=float(amount*0.4)
elif(amount>10000 and amount<50000):
    discount=float(amount*0.5)
netamount=amount-discount
print("amount to be paid",netamount)
```

```
str="saveetha"
encode=str
encode=encode.replace('s','x')
encode=encode.replace('a','b')
encode=encode.replace('v','c')
encode=encode.replace('e','d')
encode=encode.replace('t','f')
encode=encode.replace('h','g')
print("encoded string is",encode)
decode=encode.replace('g','h')
decode=decode.replace('f','t')
decode=decode.replace('d','e')
decode=decode.replace('c','v')
decode=decode.replace('b','a')
decode=decode.replace('x','s')
print("decoded string is",decode)
```

```
def findfactorial():
    f=1
    n=int(input("enter a number"))
    for i in range(1,n+1):
        f=f*i
    print("factorial of",n,"is",f)
findfactorial()
```

```
f=0
s=1
print(f)
print(s)
for i in range(20):
    t=f+s
    print(t)
    f=s
    s=t
```

```
lines=sum(1 for line in open("priya.txt"))
print("number of lines",lines)
```

```
file=open("example.txt","w")
file.write("saveetha")
file=open("example.txt","r")
str=file.readline()
print str
file.close()
length=len(str)
for i in range(0,length):
    count=0
    for j in range(0,length):
        if(str[i]==str[j]):
            count=count+1
    print(str[i],"is",count,"times present")
```

```
num1=int(input("enter first number"))
num2=int(input("enter second number"))
num3=int(input("enter third number"))
if(num1>num2 and num1>num3):
    print("num1 is greatest")
elif(num2>num1 and num2>num3):
    print("num2 is greatest")
else:
    print("num3 is greatest")
```

```
y=int(input("enter a year"))
for i in range(4000,6000):
    if(i%4==0):
        print(i)
```

```
a=int(input("enter the number"))
b=a;
left=a/10
right=a%10
c=0
while(b!=0):
    c=c+1
    b=b/10
for i in range(c-1):
    right=right*10
ans=left+right
print(ans)
```

```
a=[1,2,3],[4,5,6],[7,8,9]
b=[1,1,1],[2,2,2],[3,3,3]
c=[0,0,0],[0,0,0],[0,0,0]
print a
print b
for i in range(3):
    for j in range(3):
        c[i][j]=a[i][j]+b[i][j]
for i in c:
    print(i)
```

```
list=[]
for i in range(5):
    value=int(input("enter the numbers"))
    list.append (value)
m=list[0]
for i in range(1,5):
    if(m<list[i]):
        m=list[i]
print "maximum",m
```

```
list=[]
for i in range(5):
    value=int(input("enter the numbers"))
    list.append (value)
m=list[0]
for i in range(1,5):
    if(m>list[i]):
        m=list[i]
print "minimum",m
```

```
a=[1,2,3],[4,5,6],[7,8,9]
b=[1,1,1],[2,2,2],[3,3,3]
c=[0,0,0],[0,0,0],[0,0,0]
print a
print b
for i in range(3):
    for j in range(3):
        for k in range(3):
            c[i][j]=c[i][j]+a[i][k]*b[k][j]
for i in c:
    print(i)
```

```
a=[1,2,3],[4,5,6],[7,8,9]
b=[1,1,1],[2,2,2],[3,3,3]
c=[0,0,0],[0,0,0],[0,0,0]
print a
print b
for i in range(3):
    for j in range(3):
        c[i][j]=a[i][j]-b[i][j]
for i in c:
    print(i)
```

```
a=[1,2,3],[4,5,6],[7,8,9]
c=[0,0,0],[0,0,0],[0,0,0]
print a
for i in range(3):
    for j in range(3):
            c[i][j]=a[j][i]
for i in c:
    print(i)
```

```
file=open("file.txt","w")
with open("priya.txt")as f:
    for name in f:
        print name
```

```
rev=0
a=777
while(a!=0):
    rem=a%10
    rev=(rev*10)+rem
    a=a/10
while (rev!=0):
    rem=rev%10
    if(rem==0):
        print("zero")
    elif(rem==1):
        print("one")
    elif(rem==2):
        print("two")
    elif(rem==3):
        print("three")
    elif(rem==4):
        print("four")
    elif(rem==5):
        print("five")
    elif(rem==6):
        print("six")
    elif(rem==7):
        print("seven")
    elif(rem==8):
        print("eight")
    elif(rem==9):
        print("nine")
    rev=rev/10
```

```
str=raw_input("enter string")
print (str)
length=len(str)
print(length)
rev=""
for i in range(length-1,-1,-1):
    rev=rev+str[i]
print rev
f=0
for i in range(0,length):
    if(str[i]!=rev[i]):
        f=1
        break
if(f==0):
    print("palindrome")
else:
    print("not a palindrome")
```

```
n=int(input("enter numbers"))
k=1
for i in range(2,n-1):
    if(n%i==0):
        k=0
        break;
if(k==1):
    print("prime number")
else:
    print("not a prime number")
```

```
import cmath
a=int(input("enter a value"))
b=int(input("enter b value"))
c=int(input("enter c value"))
t=b*b-4*a*c
r1=0
r2=0
if t==0:
    r1=-b//(2*a)
    r2=-b//(2*a)
    print("roots are R1",r1)
    print("roots are R2",r2)
    print("roots are same")
elif t>0:
    r1=-b+cmath.sqrt(t)/(2*a)
    r2=-b-cmath.sqrt(t)/(2*a)
    print("roots are R1",r1)
    print("roots are R2",r2)
    print("roots are distinct")
else:
    r1=-b+cmath.sqrt(t)/(2*a)
    r2=-b-cmath.sqrt(t)/(2*a)
    print("roots are R1",r1)
    print("roots are R2",r2)
    print("roots are complex")
```

```
a=int(input("enter the number"))
rev=0
a=123
while(a!=0):
    rem=a%10
    rev=(rev*10)+rem
    a=a/10
print(rev)
```

```
str1=raw_input("enter string")
rev=""
length=len(str1)
for i in range(length-1,-1,-1):
    rev=rev+str1[i]
print rev
```

```
str1=raw_input("enter the string")
a=raw_input("enter the character")
length=len(str1)
f=0
for i in range(0,length):
    if(str1[i]==a):
        f=1
        break;
if(f==0):
    print("not present")
else:
    print("present")
```

```
tup=(1,2,3,4,5)
print tup
tup=(1,2,3,4,5)
tup1=(6,7,8,9,10)
print tup+tup1
#del tup
print tup
```

```
username="root"
password="123456"
keyuser=raw_input("enter username")
keypass=raw_input("enter password")
if(username==keyuser):
    print("username is valid")
    if(password==keypass):
        print("password is valid")
    else:
        print("password is not valid")
else:
    print("username is not valid")
```

```
list=[]
n=int(input("enter the number"))
for i in range(n):
    value=int(input("enter number"))
    list.append (value)
flag=0
data=int(input("enter searching data"))
f=0
l=n-1
while(f<=1):
    mid=(f+l)/2
    if(list[mid]==data):
        flag=1
        break;
    elif(list[mid]<data):
        f=mid+1
    else:
        l=mid-1
if(flag==1):
    print(data,"is present")
else:
    print(data,"is not present")
```

```
seats=[]
n=int(input("enter number of seats"))
for i in range(n):
    seats.append(0)
print seats
def bookticket():
    s=int(input("enter number of seats to be booked"))
    for i in range(s):
        name=raw_input("enter name")
        seats[i]=name
    print seats
def availability():
    avail=0
    for i in range(n):
        if(seats[i]==0):
            avail=avail+1
    print seats
    print("number of seats available",avail)
def cancel():
    index=int(input("number of seats to be deleted"))
    seats[index]=0
    print seats
def display():
    print seats
while(n!=0):
    print("1.bookticket")
    print("2.availability")
    print("3.cancel")
    print("4.display seats")
    ch=int(input("choose any of the above"))
    if(ch==1):
        bookticket()
    elif(ch==2):
        availability()
    elif(ch==3):
        cancel()
    else:
        display()
```

```
file=open("file.txt","w")
with open("priya.txt") as f:
    for line in f:
        print line
        file.write(line)
```

```
wordslines=[]
words=[]
c=0
file=open("newfile.txt","w")
with open("priya.txt") as f:
    for line in f:
        str=line
        for i in str:
            if (i==" "):
               c=c+1
print c
```

```
wordslines=[]
words=[]
c=0
file=open("newfile.txt","w")
with open("priya.txt") as f:
    for line in f:
        str=line
        for i in str:
            if (i=="."):
               c=c+1
print c
```

```
a=int(input("enter the number"))
left=a/100000
right=a%100000
right=right*10
ans=right+left
print(ans)
```

```
from tkinter import *
def showfields():
    print((e1.get()))
    print((e2.get()))
    print((e3.get()))
    print((e4.get()))
    print((e5.get()))
master=Tk()
Label(master,text="firstname").grid(row=0)
Label(master,text="lastname").grid(row=1)
Label(master,text="age").grid(row=2)
Label(master,text="sex").grid(row=3)
Label(master,text="income").grid(row=4)
e1=Entry(master)
e2=Entry(master)
e3=Entry(master)
e4=Entry(master)
e5=Entry(master)
e1.grid(row=0,column=1)
e2.grid(row=1,column=1)
e3.grid(row=2,column=1)
e4.grid(row=3,column=1)
e5.grid(row=4,column=1)
Button(master,text="SUBMIT",command=showfields).grid(row=6,column=1,s
ticky=W,pady=4)
mainloop()
```

```
from tkinter import *
def showfields():
    print("username is:%s"%(e1.get()))
    print("password is:%s"%(e2.get()))
master=Tk()
Label(master,text="username").grid(row=0)
Label(master,text="password").grid(row=1)
e1=Entry(master)
e2=Entry(master)
e1.grid(row=0,column=1)
e2.grid(row=1,column=1)
Button(master,text="LOGIN",command=showfields).grid(row=3,column=1,st
icky=W,pady=4)
mainloop()
```

```
file=open("file.txt","w")
with open("priya.txt") as f:
    for line in f:
        print(line.replace("sa","***"))
        file.write(line.replace("sa","***"))
```

```
list=[]
n=int(input("enter list size"))
for i in range(n):
    value=int(input("enter value"))
    list.append(value)
data=int(input("enter searching data"))
flag=0
for i in range(n):
    if(data==list[i]):
        flag=1
        break;
if(flag==1):
    print(data,"is present")
else:
    print(data,"is not present")
```

```
m1=int(input("enter 1st number"))
m2=int(input("enter 2nd number"))
m3=int(input("enter 3rd number"))
m4=int(input("enter 4th number"))
m5=int(input("enter 5th number"))
if(m1>50):
    print("m1 is pass")
else:
    print("m1 is fail")
if(m2>50):
    print("m2 is pass")
else:
    print("m2 is fail")
if(m3>50):
    print("m3 is pass")
else:
    print("m3 is fail")
if(m4>50):
    print("m4 is pass")
else:
    print("m4 is fail")
if(m5>50):
    print("m5 is pass")
else:
    print("m5 is fail")
```

```
str1=raw_input("enter the string")
a=raw_input("enter a character")
length=len(str1)
f=0
count=0
for i in range(0,length):
    if(str1[i]==a):
        count=count+1
print(a,"is",count,"times present")
```