1.

sums=0

for i in range(100,200):

if i % 4==0:

sums=sums+i

print(sums)

2.

n=int(input("Enter integer"))

sums=0

while n>0:

rem=n%10

sums=sums+rem

n=n//10

print(sums)

3.

n=int(input("Enter integer"))

sums=0

while n>0:

rem=n%10

sums=(sums\*10)+rem

n=n//10

print(sums\*sums)

4.

def isprime(x):

for j in range(2,x):

if x % j == 0:

flag=False

break

else:

flag=True

return flag

for i in range(100,500):

ans=isprime(i)

if ans:

print(i)

5.

inp=input("Enter string")

for i in inp:

if i >='A' and i<='Z':

ind=inp.index(i)

inp=inp[:ind]+'\*'+inp[ind+1:]

print(inp)

5.1

inp=input("Enter string")

for i in inp:

if i.isupper():

inp=inp.replace(i,'\*')

print(inp)

6.

inp=input("Enter string")

cnt=0

for i in inp:

if i.isdigit():

cnt=cnt+1

print(cnt)

7.

fmat=[]

rowsum=[]

z=1

row=int(input("Enter no of rows"))

col=int(input("Enter no of columns"))

for i in range(row):

mat=[]

sums=0

for j in range(col):

ele=int(input("Enter element"))

mat.append(ele)

sums=sums+ele

fmat.append(mat)

rowsum.append(sums)

print("Accepted matrix is-")

for i in range(row):

for j in range(col):

print(fmat[i][j],end="\t")

print()

for k in rowsum:

print("sum of ",z,'row is =',k)

z=z+1

8.

fmat=[]

row=int(input("Enter no of rows"))

col=int(input("Enter no of columns"))

for i in range(row):

mat=[]

for j in range(col):

ele=int(input("Enter element"))

mat.append(ele)

fmat.append(mat)

print("Accepted matrix is-")

for i in range(row):

for j in range(col):

print(fmat[i][j],end="\t")

print()

9.

fmat=[]

row=int(input("Enter no of rows"))

col=int(input("Enter no of columns"))

for i in range(row):

mat=[]

for j in range(col):

ele=int(input("Enter element"))

mat.append(ele)

fmat.append(mat)

print("Accepted matrix is-")

for i in range(row):

for j in range(col):

print(fmat[i][j],end="\t")

print()

flag=False

for i in range(row):

for j in range(i):

if fmat[i][j]==0:

#print(fmat[i][j])

flag=True

else:

flag=False

break

if flag:

print("Given matrix is upper triangular matrix")

else:

print("Given matrix is lower triangular matrix")