1. Write a Python Program to Find LCM?

Ans:

a=int(input("enter a"))

b=int(input("enter b"))

def GCD(a,b):

r=min(a,b)

while r:

if a%r==0 and b%a==0:

break

r=r-1

return r

def LCM(a,b):

G=GCD(a,b)

L=(a\*b)/G

return L

print(LCM(a,b))

1. Write a Python Program to Find HCF?

Ans:

a=int(input("enter a"))

b=int(input("enter b"))

def GCD(a,b):

r=min(a,b)

while r:

if a%r==0 and b%a==0:

break

r=r-1

return r

print(GCD(a,b))

1. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?

Ans:

n=int(input("enter number"))

def dec\_to\_bin(n):

bin\_lst=[]

r\_bin\_lst=[]

while n!=0:

b=n%2

bin\_lst.append(b)

n=n//2

print(bin\_lst)

bin\_lst.reverse()

return bin\_lst

def dec\_to\_octal(n):

oct\_lst=[]

while n!=0:

b=n%8

oct\_lst.append(b)

n=n//8

print(oct\_lst)

oct\_lst.reverse()

return oct\_lst

def dec\_to\_hex(n):

hex\_lst=[]

while n!=0:

b=n%16

if b<10:

hex\_lst.append(chr(b+48))

else:

hex\_lst.append(chr(b+55))

n=n//16

print(hex\_lst)

hex\_lst.reverse()

return hex\_lst

d=dec\_to\_bin(n)

d1=dec\_to\_octal(n)

d2=dec\_to\_hex(n)

print(d)

print(d1)

print(d2)

1. Write a Python Program To Find ASCII value of a character?

Ans:

print("Enter a char ")

text = input()

ascii = ord(text)

print(char, "\t", ascii)

1. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?

Ans:

operator=input("enter operator")

a=int(input("enter a"))

b=int(input("enter b"))

if operator=='+':

print("sum",a+b)

elif operator=='-':

print("diff",a-b)

elif operator=='\*':

print("mul",a\*b)

else:

if b!=0:

print("div",a/b)