**# 1. Write a Python Program to Find LCM?**

a = int(input("Enter the first value a : "))

b = int(input("Enter the first value b : "))

if (a > b):

minimum = a

else:

minimum = b

while(True):

if (minimum % a == 0 and minimum % b == 0): # variable is divided by user input

print("LCM is :",minimum)

break

minimum = minimum + 1

**# 2. Write a Python Program to Find HCF?**

def hcf(x,y):

if (x > y):

smaller = x

else:

smaller = y

for i in range(1,smaller + 1):

if(x % i == 0 and y % i == 0): # user input is divided by range

hcf = i

return hcf

a = int(input("Enter the first value a : "))

b = int(input("Enter the first value b : "))

print("The highest common factor of",a, "and",b,"is: ",hcf(a,b))

**# 3. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?**

dec = 244

print("The conversion of decimal value",dec,"to various forms")

print(bin(dec),"binary conversion")

print(oct(dec),"Octal conversion")

print(hex(dec),"Hexadecimal conversion")

**# 4. Write a Python Program To Find ASCII value of a character?**

char = input("Enter a character : ")

print("The ASCII value of the character",char,"is",ord(char))

**# 5. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?**

# creating individual functions for 4 operations:

def add(x,y):

return x + y

def sub(x,y):

return x - y

def multiply(x,y):

return x \* y

def division(x,y):

return x % y

# asking for choices to perform calculation

print("Enter the choices of operations: ")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

# asking for user choice

choice = int(input("Enter the choice from the user 1,2,3,4 : "))

# Taking user input

x = int(input("Enter the first no :"))

y = int(input("Enter the second no :"))

# printing operation as per user instruction

if choice == 1:

print("Operation is addition of two nos")

print(x,"+",y,"=",add(x,y))

elif choice == 2:

print("Operation is subtraction of two nos")

print(x,"-",y,"=",sub(x,y))

elif choice == 3:

print("Operation is multiplication of two nos")

print(x,"\*",y,"=",multiply(x,y))

elif choice == 4:

print("Operation is division of two nos")

print(x,"/",y,"=",division(x,y))

else:

print("Option entered is wrong. Cannot perform operation")