**Python Assignment - 5**

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

def lcm(a,b):

'''

Function which return the LCM of two number.

'''

high = a if a > b else b

while True:

if (high%a==0) and (high%b==0):

break

else:

high += 1

return high

a = 22

b = 7

lcm(a, b)

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

def hcf(a, b):

low = a if a < b else b

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

if (a%i==0) and (b%i==0):

hcf = i

return hcf

a = 53

b = 33

hcf(a, b)

a = 52

b = 24

hcf(a, b)

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

def conversion(num):

print("Binary: ", bin(num))

print("Octal: ", oct(num))

print("Hexadecimal: ", hex(num))

conversion(7)

conversion(369)

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

try:

char = input("Enter a character: ")

ASCII = ord(char)

print("ASCII value of {} is {}".format(char, ASCII))

except Exception as e:

print(e)

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

try:

while True:

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

print("\nFor addition: +")

print("For subtraction: -")

print("For multiplicaton: \*")

print("For division: /")

print("For Exit: X")

ch = input("\nEnter the choice for mathematical operations: ")

if ch == '+':

output = num1 + num2

elif ch == '-':

output = num1 - num2

elif ch == '\*':

output = num1 \* num2

elif ch == '/':

output = num1 / num2

if ch == 'X' or ch == 'x':

break

print("\nResult: ", output)

except Exception as e:

print(e)