LAB 4

Task 1

a = eval(input("enter any integer : "))

b = eval(input("enter any integer : "))

c = eval(input("enter any integer : "))

if a<b<c:

print(a,b,c)

elif a>b>c:

print(c,b,a)

elif b>c>a:

print(a,c,b)

elif b>a>c:

print(c,a,b)

elif c>a>b:

print(b,a,c)

Task 2

i=0

positive\_count = 0

negative\_count = 0

zero\_count = 0

summ = 0

while True:

a = eval(input("enter any number : "))

summ = summ + a

if a > 0:

positive\_count = positive\_count + 1

elif a < 0:

negative\_count = negative\_count + 1

if a==0:

break

average = summ/positive\_count + negative\_count

print("positive number were",positive\_count)

print("negative number were",negative\_count)

print("total sum is",summ)

print("average is",average)

Task 3

a = 2.2

print("kilogram \t pound")

for i in range(0,199,2):

i+=1

a=i\*2.2

print(i,"\t\t",a)

Task 4

import random

user\_won=0

bot\_won=0

while True:

bot = random.randint(1,3)

if bot == 1:

bot = "rock"

elif bot == 2:

bot = "paper"

elif bot == 3:

bot = "scissors"

user=input("Enter rock paper or scissors: ")

print("Bot Chose:",bot)

if user == bot:

result = "tie"

else:

if user == "rock" and bot == "scissors":

result = "User won , Bot lose"

user\_won += 1

elif user == "paper" and bot == "rock":

result = "User won, Bot lose"

user\_won += 1

elif user == "scissors" and bot == "paper":

result = "User won, Bot lose"

user\_won += 1

elif bot == "rock" and user == "scissors":

result = "Bot won , User lose"

bot\_won += 1

elif bot == "paper" and user == "rock":

result = "Bot won, User lose"

bot\_won += 1

elif bot == "scissors" and user == "paper":

result = "Bot won, User lose"

bot\_won += 1

print(result)

print("User Won:",user\_won)

print("Bot Won:",bot\_won)

if user\_won > 2:

print("!!!USER WON!!!")

break

elif bot\_won > 2:

print("!!!BOT WON!!!")

break

Task 5

a = eval(input("Enter any integer : "))

max = a

max\_count = 0

while a != 0:

if a>=max:

if a == max:

max\_count = max\_count + 1

else:

max = a

max\_count = 1

a = eval(input("Enter any integer : "))

print("max is",max)

print(max\_count)

Task 6

n = int(input("enter no of times : "))

for i in range(0,n):

n = 1

for j in range(0,i+1):

print(n,end=" ")

n = n+1

print("\r")