Practical no. 2

Sequencial programming

1.Write a python program to perform arithmetic operations on given number ?

n1=int(input("enter n1:"))

n2=int (input("enter n2:"))

add = n1+n2

sub = n1-n2

multi = n1\*n2

div = n1/n2

power = n1\*\*n2

mod = n1%n2

print(add)

print(sub)

print(multi)

print(div)

print(power)

print(mod)

output--enter n1:20

enter n2:40

60

-20

800

0.5

10995116277760000000000000000000000000000000000000000

20

2. Write a python program to display the message hello the first name and the last name ?

fname = input("enter your first name ")

lname = input("enter your last name")

print ("hello",fname,lname)

print ("welcome to python")

output-->>>enter your first name rutuja

enter your last name mane

hello rutuja mane

welcome to python

>>>

enter your first name kiran

enter your last name panchal

hello kiran panchal

welcome to python

3. write python program to find area of circle?

1. r= float(input("enter the value of radius"))

pi=3.14

area = 3.14\*r\*r

print (area)

output-->>>

enter the value of radius24

1808.6399999999999

2. r= float(input("enter the value of radius"))

pi=3.14

area = 3.14\*r\*r

print("area of circle with radius",r,"is",area)

output-- enter the value of radius 24

area of circle with radius 24.0 is 1808.6399999999999

4. write a python program to convert celsius to Fahrenheit ?

c=float (input("enter the value of c"))

f=(c\*(9/5))+32

print (f)

output--enter the value of c 90

194.0

5.write a python program to except temperature into Fahrenheit from Celsius

f=float(input("enter the value of f"))

c = (f -32 )\*5/9

print (c)

output--enter the value of f194

90.0

6.write a python program for swapping of two numbers enter by users?

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

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

temp=a

a=b

b=temp

print("after swapping",a,b)

output--enter a number12

enter a number14

after swapping 14 12

selection programming

1.write a python program to find maximum of two numbers?

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

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

if(a>b):

print (a," is greater")

else:

print (b," is greater")

output--enter a number32

enter a number22

32 is greater

2. write a python program to check whether the given number is even or odd?

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

mod=(x%2)

if (mod==0):

print(x," is even")

else:

print(x,"is odd")

output--enter a number12

12 is even

Or

Output--enter a number19

19 is odd

3.write a python program to accept grade from user and bring in or her with various message?

grade=input("enter your grade")

if (grade=='O' or grade=='o'):

print ("excellent")

elif(grade=='A' or grade=='a'):

print ("very good")

elif(grade=='B' or grade=='b'):

print("good")

elif(grade=='C'or grade=='c'):

print ("satisfactory")

elif(grade=='D'or grade=='d'):

print ("fail")

else:

print ("invalid grade")

output--enter your grade o

excellent

or

output--enter your grade c

satisfactory

4.