PYTHON ASSIGNMENT DAY 2

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1.Write the python program to design simple calculator for the operators

+(addition)

Ans: a=30

b=40

sum=a+b

print (“the sum is”, sum)

-(subtraction)

Ans: a=40

b=20

sub=a-b

print (“the difference is”, sub)

\*(multiplication)

Ans: a=20

b=60

mul=a\*b

print (“the product is”, mul)

/(division)

Ans: a=80

b=2

div=a/b

print (“the quotient is”, div)

%(modulus)

Ans: a=36

b=2

mod=a%b

print (“the remainder is”, mod)

\*\*(exponent)

Ans: num=int (input (“enter the positive number”))

exp= int (input (“enter the exponent value”))

pow=1

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

pow=pow\*num

print (“the result of power{1}={2}”.format(num,exp,pow))

// (floor division)

a=10

b=3

fd=a//b

print (“the result is”, fd)

2.Write a python program to calculate simple interest

Ans: p=50000

t=2

r=5

si=p\*t\*r/100

print (“the simple interest is”,si)

3.Write a python program to calculate area of the triangle

Ans: b=int (input (“enter the value of base of the triangle”)

h=int (input (“enter the value of height of the triangle”)

at=0.5\*b\*h

print(“the area of triangle is”, at)

4.Write a python program to convert temperature from Celsius to Fahrenheit

Ans: c=float (input (“enter the temperature in Celsius”)

f=(c\*1.8) +32

print (‘the temperature in Fahrenheit is”,f)

5.Write a python program to calculate area of rectangle

Ans: l=int(input(“enter the length of rectangle”)

b=int(input(“enter the breadth of rectangle”)

ar=l\*b

print(“the area of rectangle is”,ar)

6.Write a python program to calculate perimeter of square

Ans: s=int(input(“enter the side of the square”)

p=4\*s

print(“the perimeter of square is”,p)

7.Write a python program to calculate the circumference of the circle

Ans: r=float (input (“enter the radius of the circle”)

c=2\*3.14\*r

print (“the circumference of the circle is”,c)

8.Write a python program to swap two numbers

Ans: a=int (input (“enter the first number”)

b=int (input (“enter the second number”)

temp=a

a=b

b=temp

print (“the value of a after swapping is:”. format(a))

print (“the value of b after swapping is:”. format(b))