Day 1

# Write a program to take input from user and find area

Of circle

Code:-

radius= float(input("enter the radius"))

print(float(3.14\*(radius\*\*2)))

output:-

enter the radius10

314.0

# write a program to take input from user and find sum average and percentage

Code:-

a=float(input("mark 1"))

b=float(input("mark 2"))

c=float(input("mark 3"))

sum=(a+b+c)

avg=(a+b+c)/3

print("sum is",sum)

print("avg is",avg)

print( "percentage is",(sum/300)\*100)

Output

mark 1 70

mark 2 80

mark 3 90

sum is 240.0

avg is 80.0

percentage is 80.0

#Write a programe to take input from the user and find area of triangle

Code:-

b=float(input("breath"))

l=float(input("length"))

area=0.5\*(b\*l)

print("area is",float(area))

Output:-

breath 10

length 10

area is 50.0

#Write a program take input from the user and calculate BMI

Code:-

w=float(input("weight in kg"))

h=float(input ("height in metre"))

bmi=(w)/(h\*\*2)

print("bmi is ",int(bmi))

Output:-

weight in kg 100

height in metre 5

bmi is 4

#Write a program to take input from the user and calculate simple intrest

Code:-

p=float(input("principle amount"))

r=float(input("annual rate"))

t=int(input ("time"))

si=(p\*r\*t)/100

print("si is",int(si))

Output:-

principle amount 10000

annual rate 5

time 3

si is 1500

# write a programe to take input from user and convert degree celcious into degree farenhite

Code:-

c=float(input("degree in celsious"))

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

print("temp in farenhite is",float(f))

Output:-

degree in celsious 32

temp in farenhite is 89.6

# Write a program to take input from user and calculate compound intrest

Code:-

p= float(input("principle amount"))

r= float(input("annual rate"))

n=int(input("time in years"))

ci=(p\*((1+(r/100))\*\*n))-p

print( "compount intrest is",int(ci))

Output:-

principle amount 100000

annual rate 10

time in years 6

compount intrest is 77156

# write a programe to take input as side find area of triangle by hirons formula

Code:-

from math import\*

a=float(input("enter ist side"))

b=float(input("enter 2nd side"))

c=float (input("enter 3rd side"))

s=(a+b+c)/2

area= (sqrt(s\*(s-a)\*(s-b)\*(s-c)))

print("area is",float(area))

Output:-

enter ist side 10

enter 2nd side 7

enter 3rd side5

area is 16.24807680927192

#Write a program to take input as second and convert it into min and second

Code:-

a= int(input("time in second"))

min=a//60

sec=a-min\*60

print(min,"minutes",sec,"second")

Output:-

time in second352

5 minutes 52 second

#Write a program take input from the user and check weather the number is positive negative or zero

Code:-

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

if(num>0):

print("positive")

else:

print("negative")

output:-

enter a number 10

positive

#Write a program take input from the user and find number divisible by 5 and 3 both

Code:-

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

if(num%5==0 and num%3==0):

print("divisible by 5 and 3")

else:

print ("not divisible")

output:-

enter a number15

divisible by 5 and 3