Python Programs 10/2/23 Lab

'''ques 1 Area of circle'''

print('Enter the value of r')

r=float(input())

print('Enter the value of pi')

pi=float(input())

area=pi\*r\*r

print('Area of circle is')

print(area)

'''ques 2 Area of sphere'''

print('Enter the value of r')

r=float(input())

print('Enter the value of pi')

pi=float(input())

area=1\*pi\*r\*r\*r/2

print('Area of sphere is')

print(area)

'''Ques 3 Calculation of BMI'''

print('Enter the value of weight')

w=float(input())

print('Enter the value of height ')

h=float(input())

BMI=w/h\*h

print('Your BMI is')

print(BMI)

'''Ques 4 Area of triangle'''

print('Enter the length of base of triangle')

b=float(input())

print('Enter the lenght of height of tringle')

h=float(input())

area=1\*b\*h/2

print('Area of triangle is')

print(area)

'''Ques 5 Calculate third angle of a right angle triangle where two angle is given by the user a=90,b=40'''

print('Enter the value of 1st angle of a right angle triangle')

a=float(input())

print('Enter the value of 2nd angle of a right angle triangle')

b=float(input())

c=180-(a+b)

print('Third angle of a right angle triangle is')

print(c)

'''Ques 6 Calculate Runs'''

print('How many overs in your match')

overs=int(input())

runs=33\*(overs-1)+36

print('Your runs are')

print(runs)

'''Ques 6 Calculate no. of Rabbits & Chickens'''

print('Enter the no. of heads');

h=int(input())

print('Enter the no. of legs')

l=int(input())

x=12

y=h-12

print('The no.of Rabbits are')

print(x)

print('The no. of chickens are')

print(y)