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Homework

Programming

Exercise

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# Program to find the area and circumference

radius = int (input ("Enter the radius: "))

pi = 3.14

area = pi \* radius \*\*2

Circumference = 2 \* pi \* radius

print (f"the area is {area} and circumference is {Circumference}")

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# Program to find Kilogram

kg = float (input ("enter the kilogram: "))

pound = 2.20462

convert\_to\_pound = kg \* pound

print (f" the pound is {convert\_to\_pound}")

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# Program to find the greater than of three numbers

num1 = int (input ("enter the number: "))

num2 = int (input ("enter the number: "))

num3 = int (input ("enter the number: "))

if num1 > num2 and num1 > num3:

print(f"{num1} this number is greater than {num2} and {num3}")

elif num2 > num1 and num2 > num3:

print(f"{num2} this number is greater than {num1} and {num3}")

else:

print(f"{num3} this number is greater than {num1} and {num2}")

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# Program to display the odd and even number of 1 to 100?

I = int (input ("enter the number: "))

while I < 100:

I+=1 # I = I+1

if I % 2 == 0:

print (f"this is even number {I}")

elif I % 2 != 0:

print (f"this is odd number {I}")

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# Program to display even number

i = 0

while i <= 100:

i+=1 # i = i+1

if i % 2 == 0:

print (f"this is even number {i}")

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# Program to display odd number

i = 1

while i < 100:

i+=1 # i = i+1

if i % 2 != 0:

print (f"this is odd number {i}")

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# program to find thd GCD of three positive numbers

num1 = int(input("enter the first number: "))

num2 = int(input("enter the second number: "))

num3 = int(input("enter the third number: "))

if num1 == 0 and num2 == 0 or num3 == 0:

print(f"invalid input")

if num1 == 0 and num2 == 0:

print(f"GCD is {num3}")

if num1 == 0 and num3 == 0:

print(f"GCD is {num2}")

if num2 == 0 and num3 == 0:

print(f"GCD is {num1}")

while num1 != num2 and num1 != num3:

if num1 > num2 and num1 > num3:

num1 = num1 - num2 and num1 = num1 - num3

if num2 > num1 and num2 > num3:

num2 = num2 - num1 and num2 = num2 - num3

if num3 > num1 and num3 > num2:

num3 = num3 - num1 and num3 -= num2

print(f"GCD of three numbers is {num1}")

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# program to Repeatedly check for the smaller Number Until the User Enters "done"

smaller\_number = int(input("enter the smaller number? "))

check\_number = input("enter a number to check whether it is smaller or not: ")

while check\_number != "done":

if smaller\_number < int(check\_number):

print(f" smaller number is {smaller\_number}")

else:

smaller\_number = int(check\_number)

print(f"smaller number is {smaller\_number}")

check\_number = input ("enter a number to check whether it is smaller or not")