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**Internship Domain : Python Internee**

**Task Week : 5th**

**Instructor Name : Hassan**

**Task 1 :**

Write your Task Discription

**Solution :**

def square\_numbers(numbers):

    squared = []

    for num in numbers:

        squared.append(num \*\* 2)

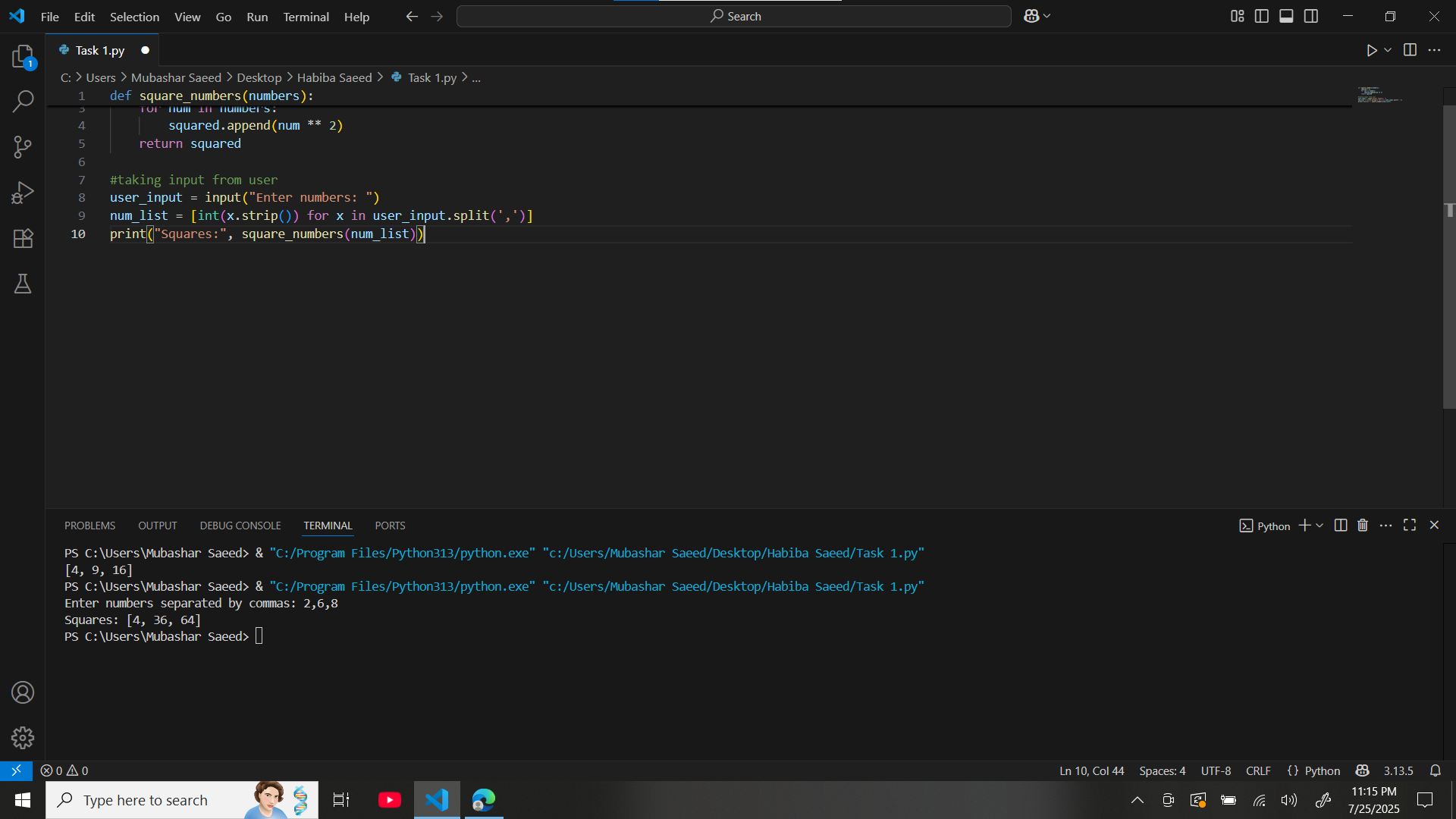
    return squared

#taking input from user

user\_input = input("Enter numbers: ")

num\_list = [int(x.strip()) for x in user\_input.split(',')]

print("Squares:", square\_numbers(num\_list))



**Task 2 :**

**Solution :**

def is\_even\_or\_odd(number):

    if number % 2 == 0:

        return "Even"

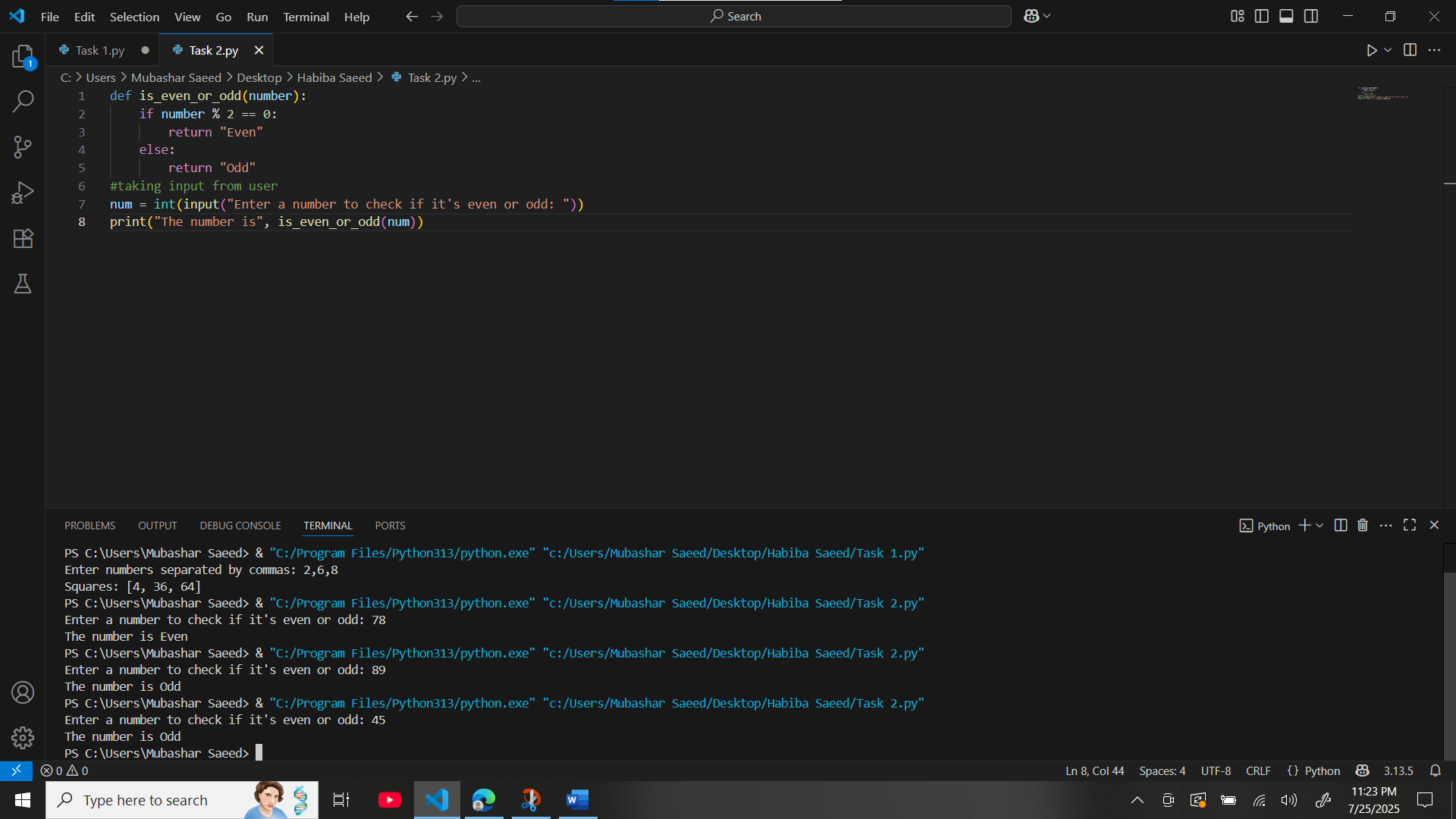
    else:

        return "Odd"

#taking input from user

num = int(input("Enter a number to check if it's even or odd: "))

print("The number is", is\_even\_or**\_odd(num))**



**Task 3 :**

**Solution :**

import math

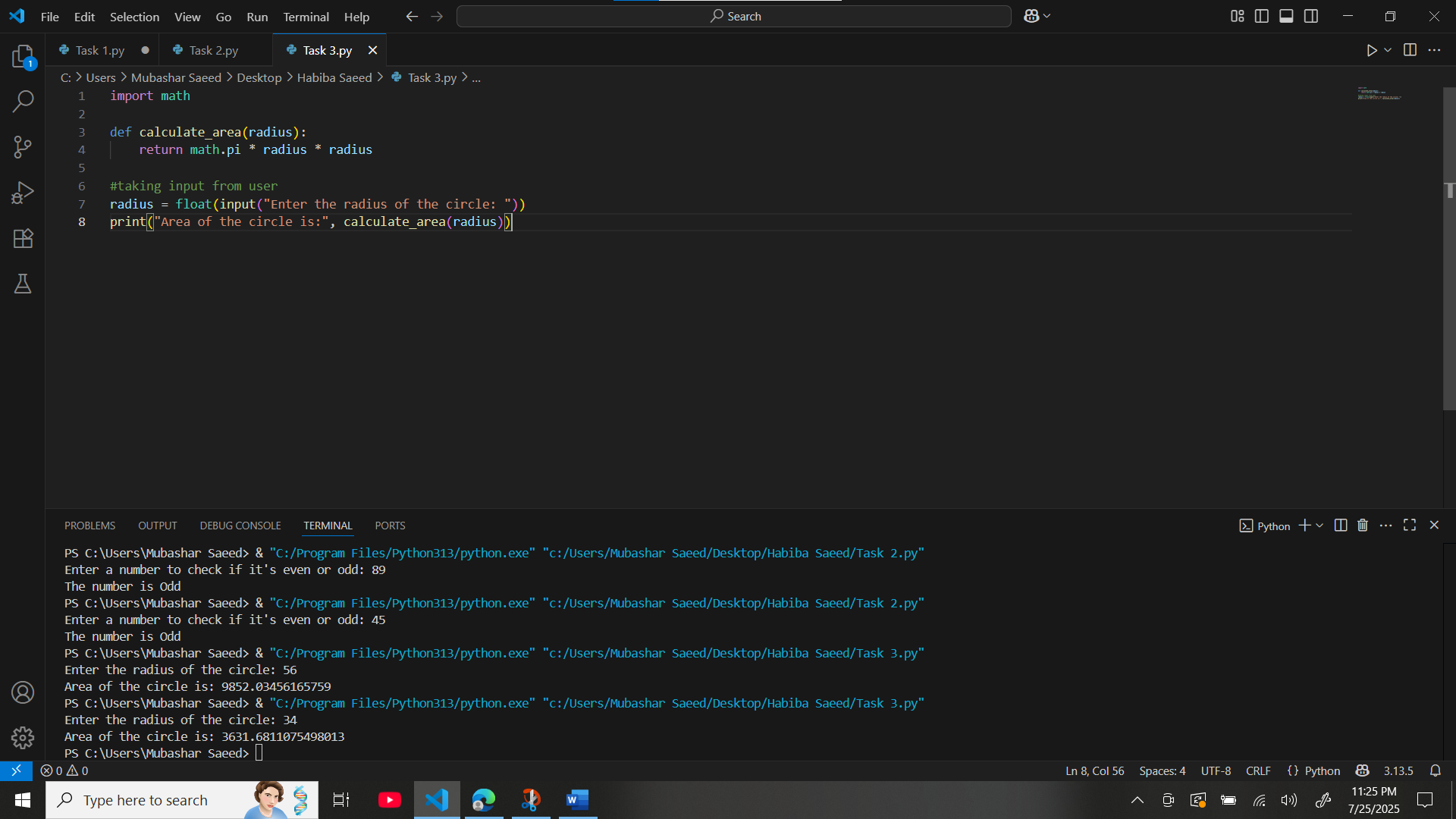
def calculate\_area(radius):

    return math.pi \* radius \* radius

#taking input from user

radius = float(input("Enter the radius of the circle: "))

print("Area of the circle is:", calculate\_area(radius))



**Task 4 :**

**Solution :**

def greet\_user(name, age):

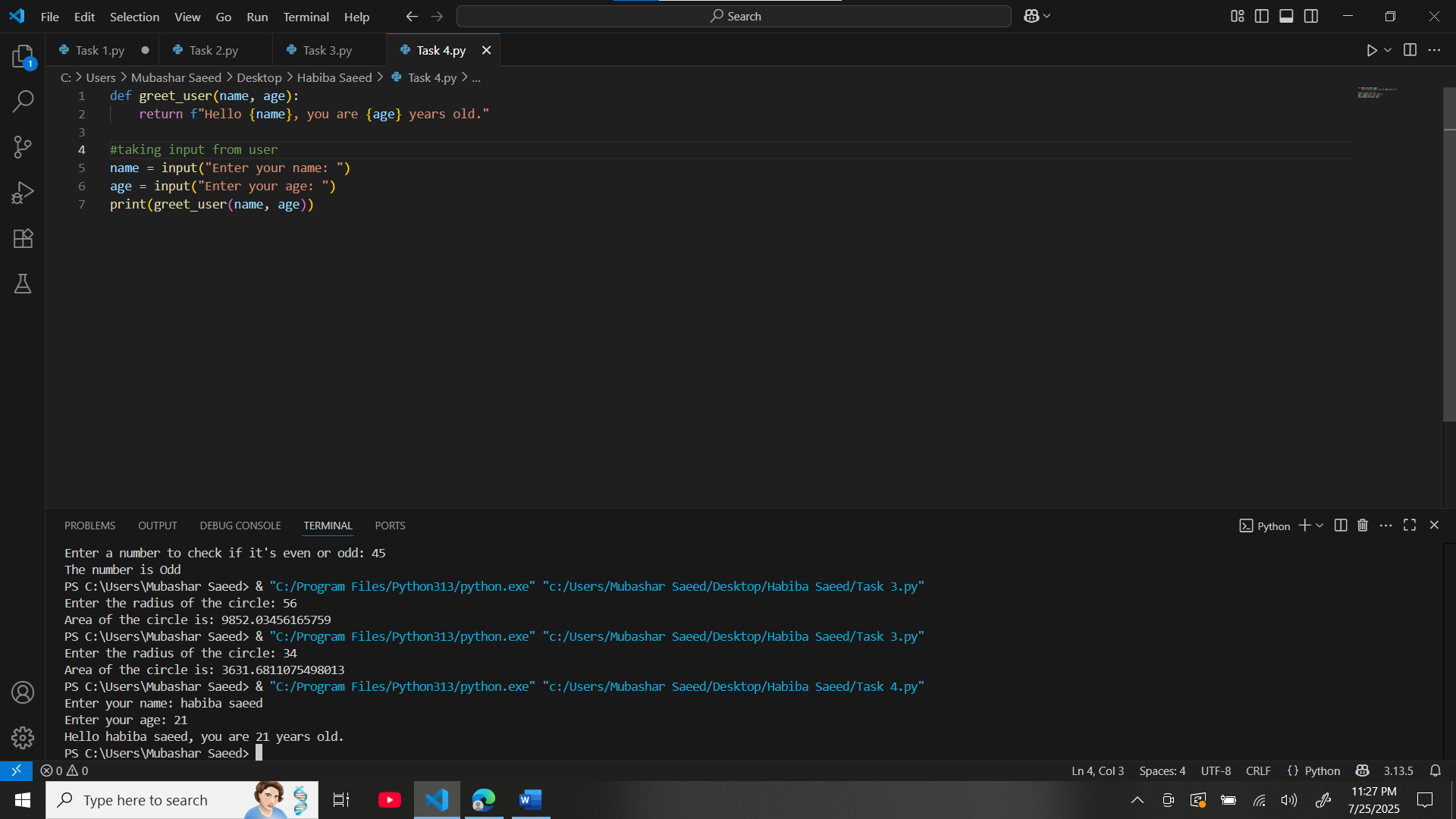
    return f"Hello {name}, you are {age} years old."

#taking input from user

name = input("Enter your name: ")

age = input("Enter your age: ")

print(greet\_user(name, age))



**Task 5 :**

**Solution :**

counter = 0  #global variable

def change\_counter():

    global counter

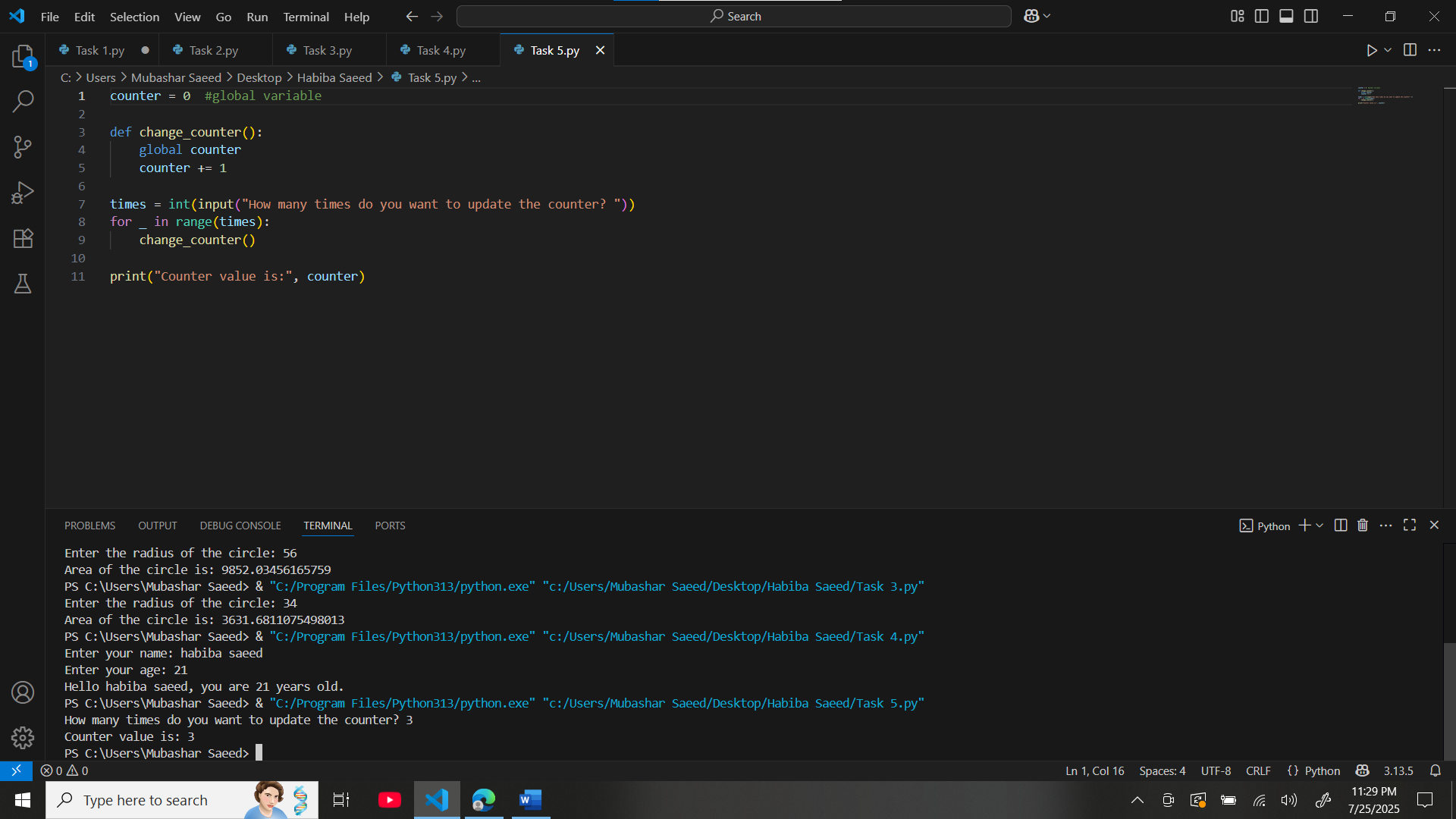
    counter += 1

times = int(input("How many times do you want to update the counter? "))

for \_ in range(times):

    change\_counter()

print("Counter value is:", counter)



**Task 6 :**

**Solution :**

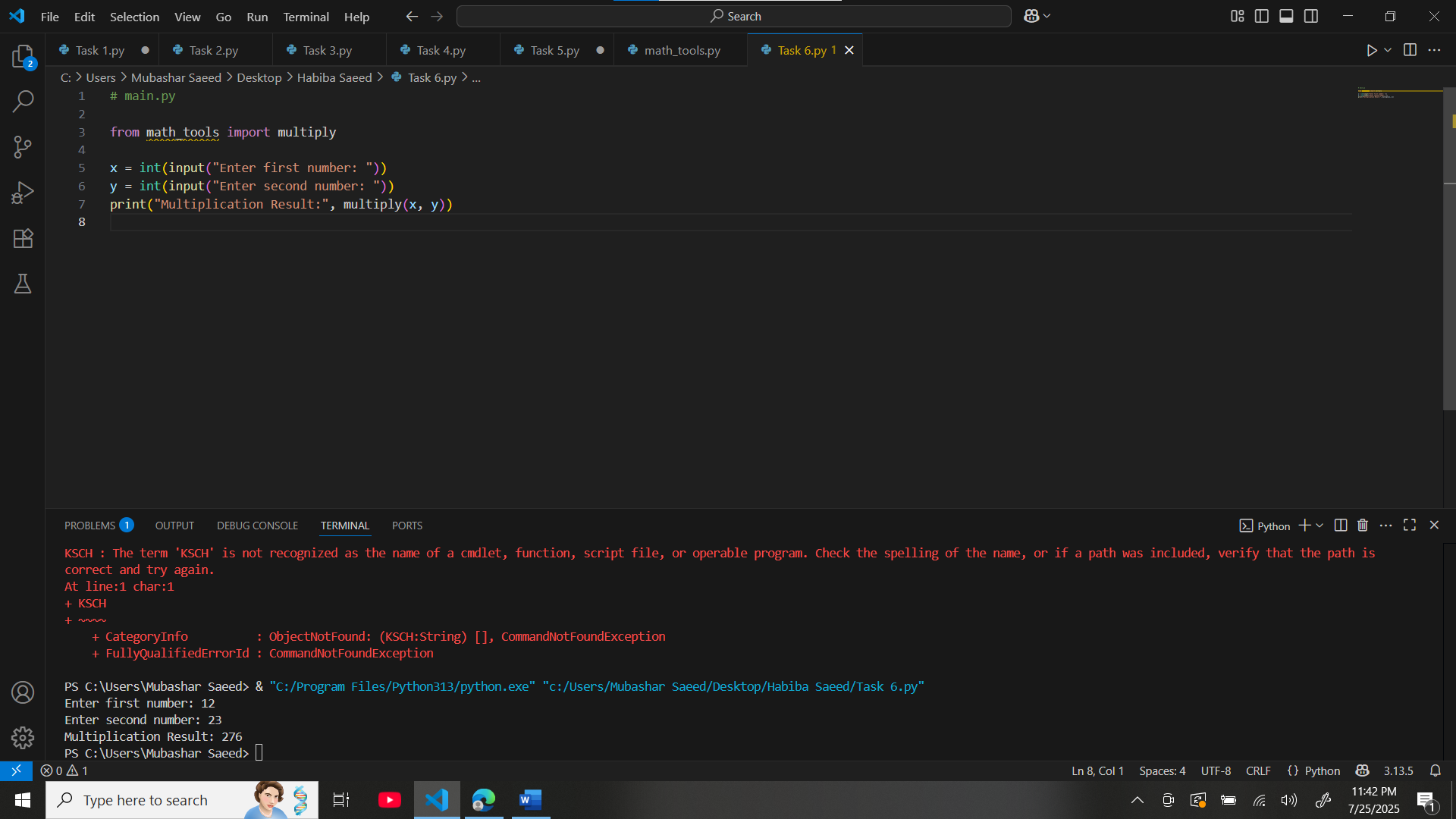
# main.py

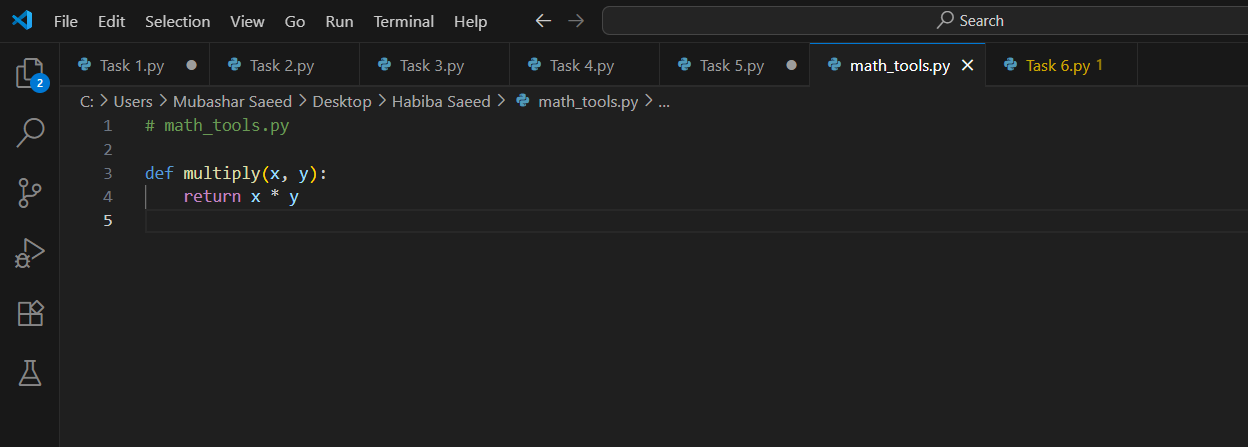
from math\_tools import multiply

x = int(input("Enter first number: "))

y = int(input("Enter second number: "))

print("Multiplication Result:", multiply(x, y))





def multiply(x, y):

    return x \* y