Name: Umme Habiba

Intern ID: TN/1N01/004

Email ID : saeedhabiba001@gmail.com

Internship Domain : Python Internee

Task Week : 5th

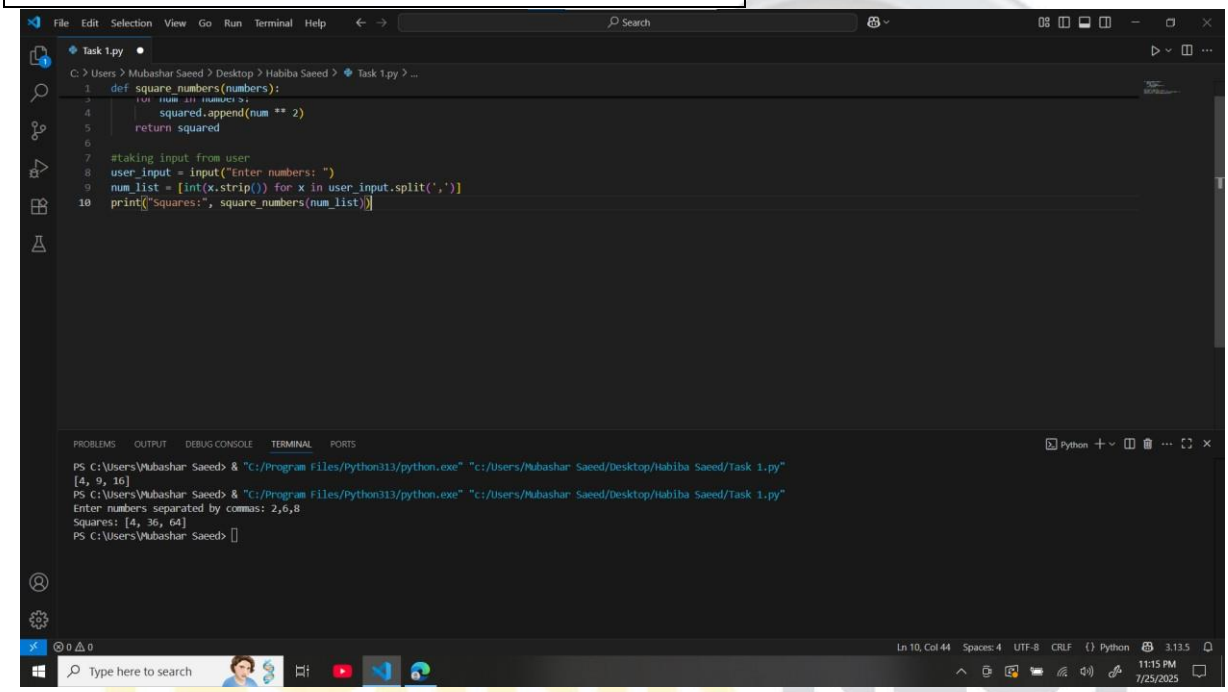
Instructor Name : Hassan

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))
```

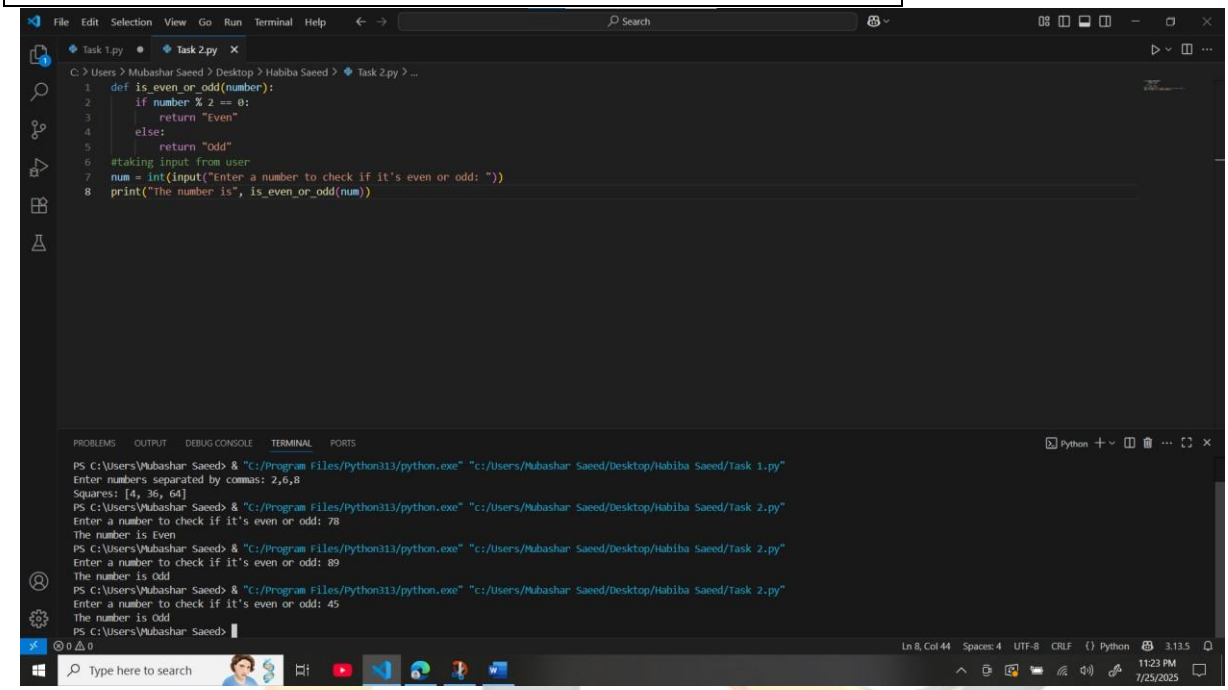



```
def is_even_or_odd(number):
if number % 2 == 0:
    return "Even"
else:
```

Task 2 :

Solution :

```
        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))
```



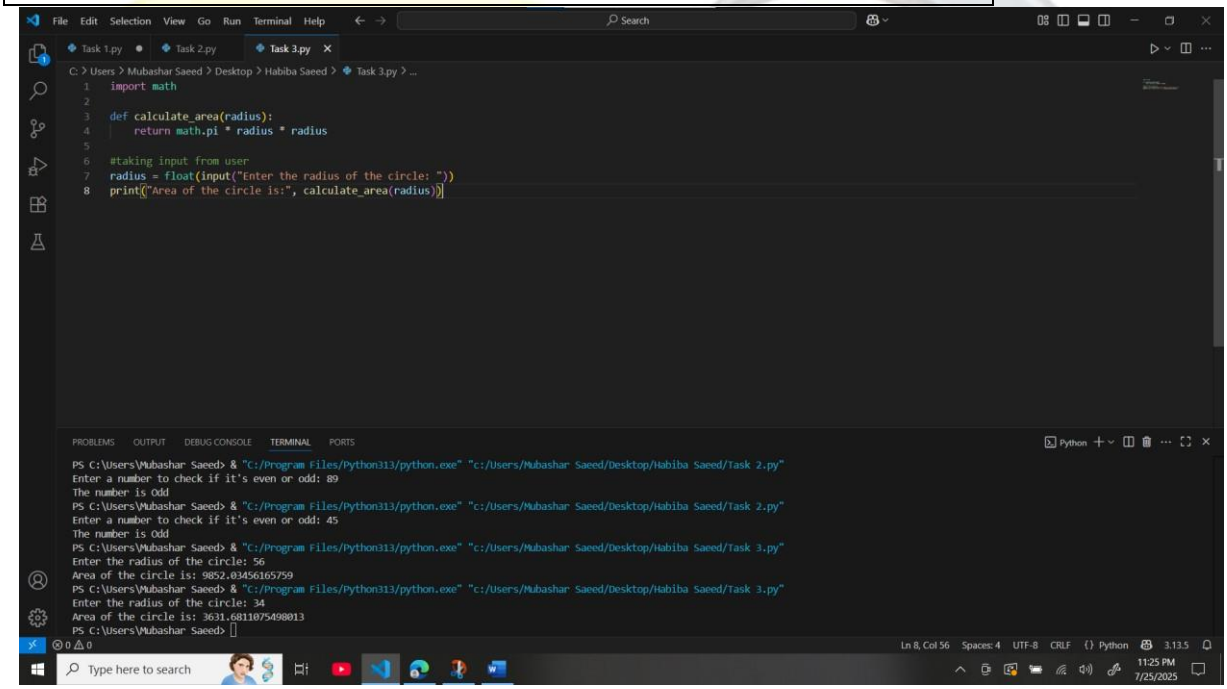
Task 3 :

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))
```

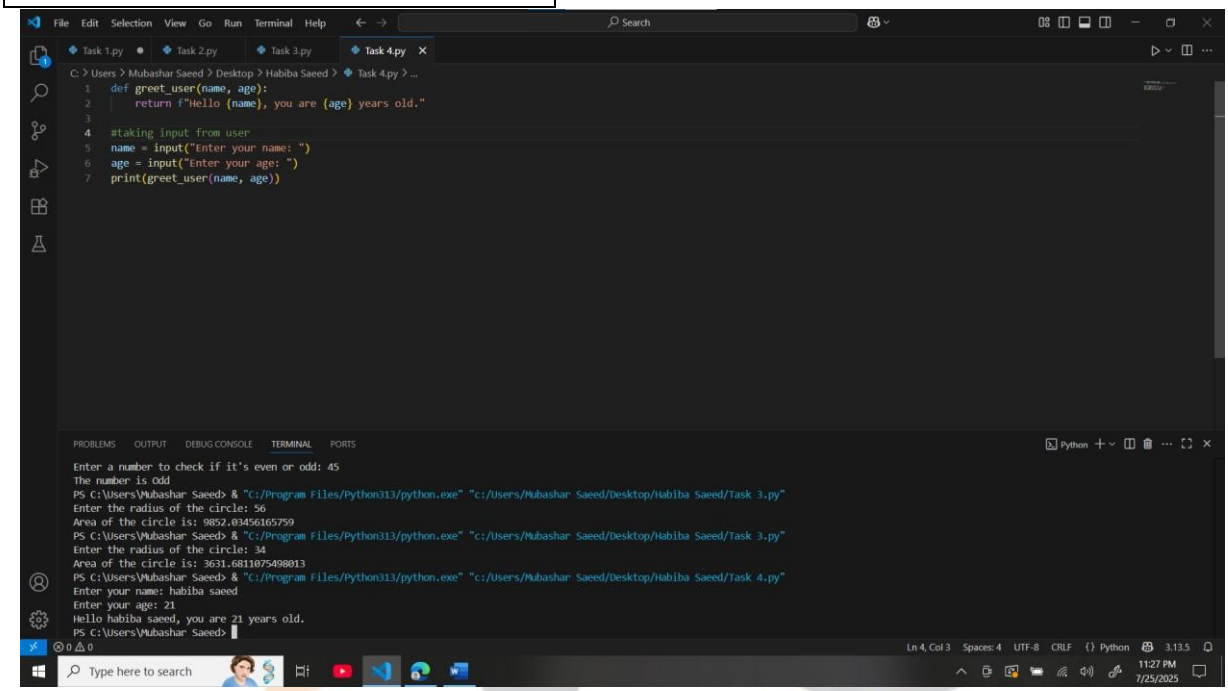



```
def greet_user(name, age):
    return f"Hello {name}, you are {age} years old."
```

Task 4 :

Solution :

```
#taking input from user
name = input("Enter your name: ") age
= input("Enter your age: ")
print(greet_user(name, age))
```

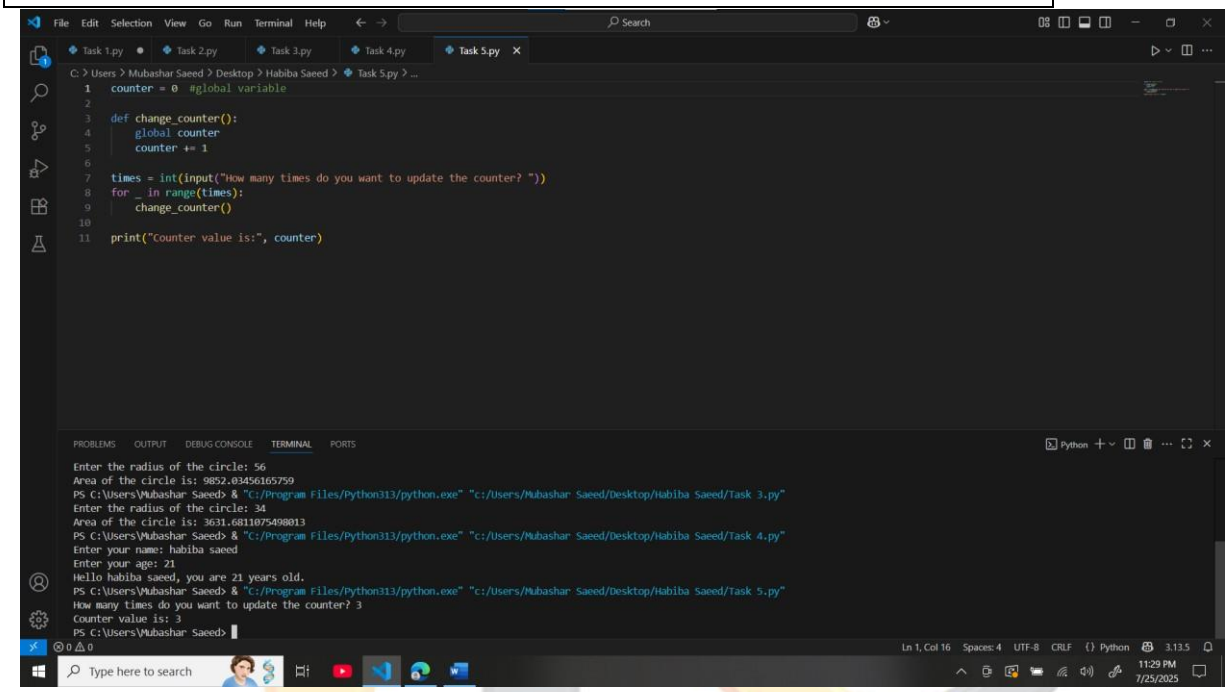



```
counter = 0  #global variable def
change_counter():
    global counter
counter += 1
```

Task 5 :

Solution :

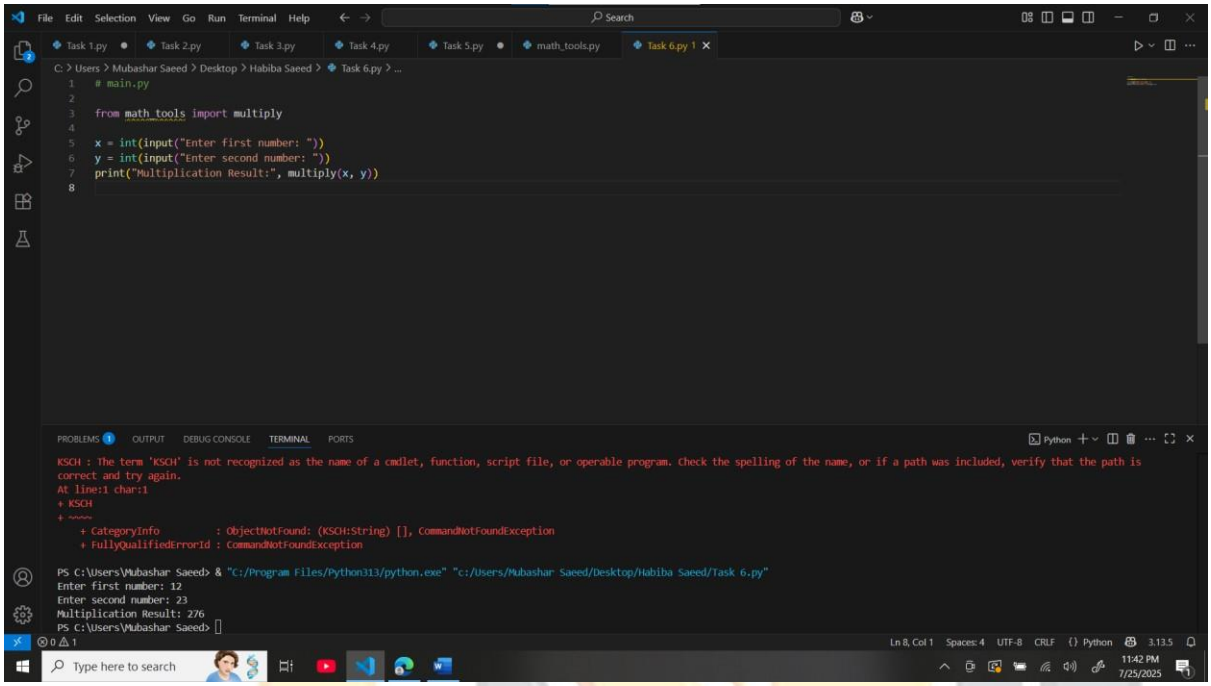
```
times = int(input("How many times do you want to update the counter?
")) for _ in range(times):     change_counter() print("Counter value is:",
counter)
```

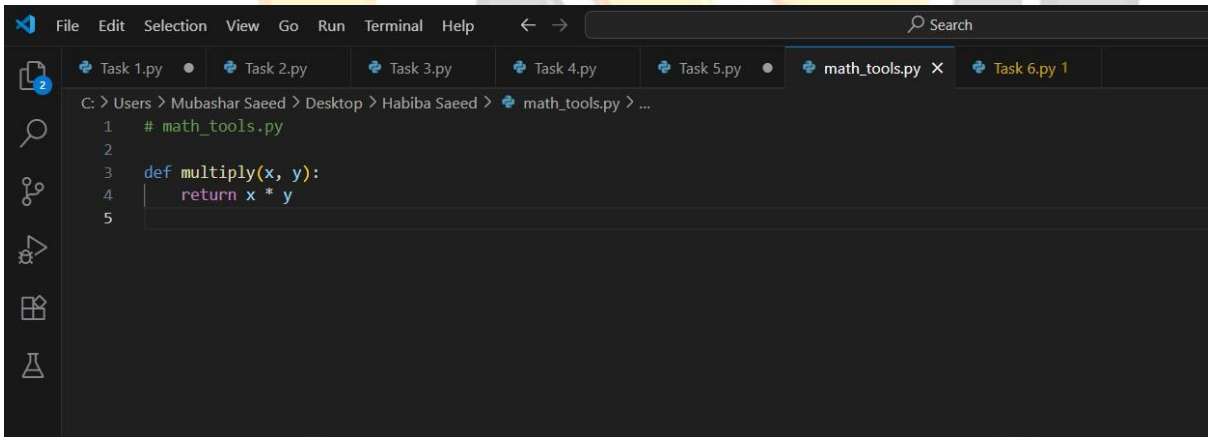



```
# main.py from math_tools import
multiply x = int(input("Enter first
number: ")) y = int(input("Enter second
number: "))
print("Multiplication Result:", multiply(x, y))
```

Task 6 :

Solution :






```
def multiply(x, y):
    return x * y
```