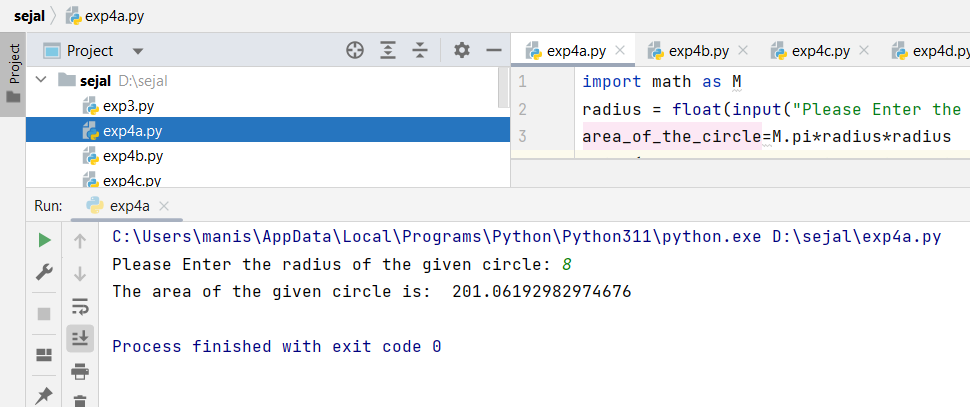
**Experiment No.4**

**Aim:** Edit/compile/run a program to read the radius of a circle and print the area of the circle.

**Program A:**

import math as M  
radius = float(input("Please Enter the radius of the given circle: "))  
area\_of\_the\_circle=M.pi\*radius\*radius  
print("The area of the given circle is: ",area\_of\_the\_circle)

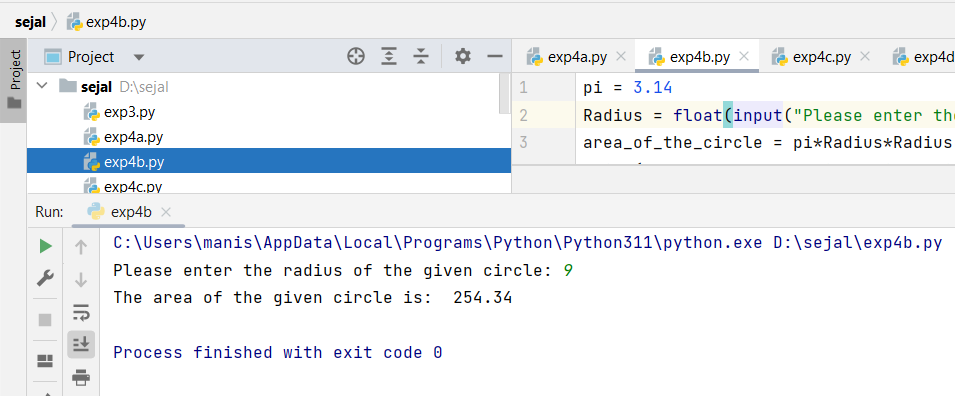
**Output:**

****

**Program B:**

pi = 3.14  
Radius = float(input("Please enter the radius of the given circle: "))  
area\_of\_the\_circle = pi\*Radius\*Radius  
print("The area of the given circle is: ",area\_of\_the\_circle)

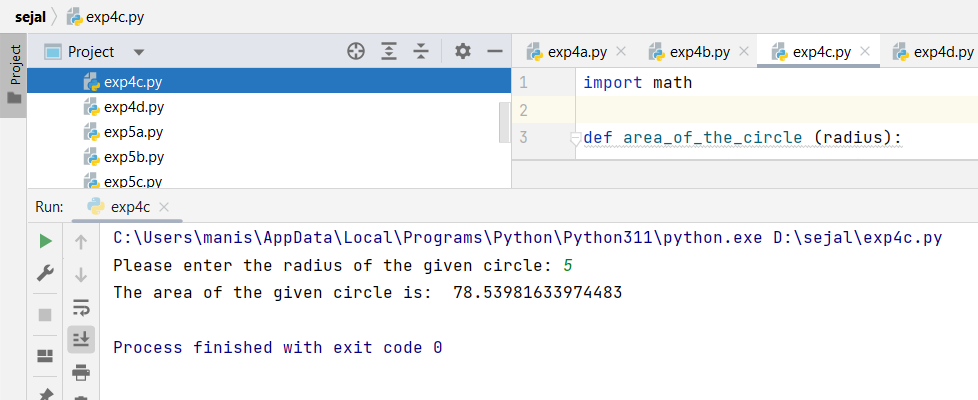
**Output:**

****

**Program C:**

import math  
  
def area\_of\_the\_circle (radius):  
 area = radius\*\*2\*math.pi  
 return area  
radius = float(input("Please enter the radius of the given circle: "))  
print("The area of the given circle is: ",area\_of\_the\_circle(radius))

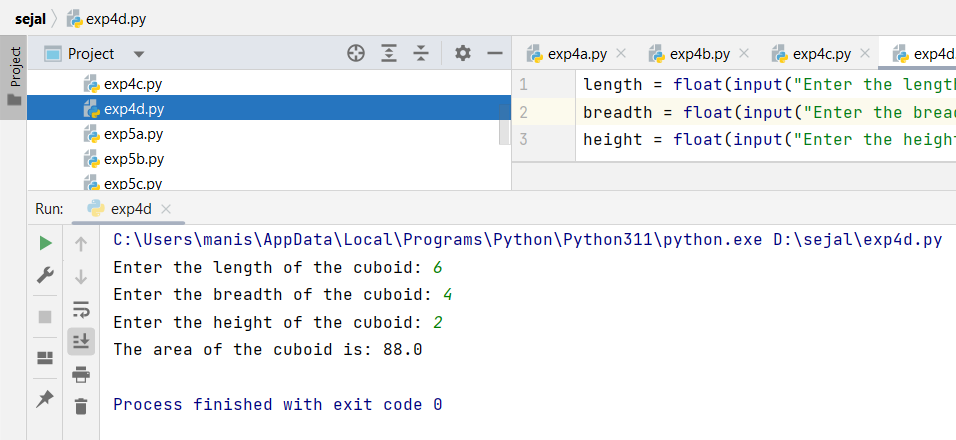
**Output:**



**Program D:** **To find out the area of the Cuboid:-**

length = float(input("Enter the length of the cuboid: "))  
breadth = float(input("Enter the breadth of the cuboid: "))  
height = float(input("Enter the height of the cuboid: "))  
  
area = 2 \* (length \* breadth + length \* height + breadth \* height)  
  
print("The area of the cuboid is:", area)

**Output:**



|  |  |  |  |
| --- | --- | --- | --- |
| **Practical Performance**  **(4)** | **Writeup & Oral**  **(4)** | **Attendance**  **(2)** | **Total**  **(10)** |
|  |  |  |  |