EXPERIMENT:7B Abhinav Nair S Roll no 4

In [11]:
```python
import math class
Shapes:      def
area(self):
        pass          class
Circle(Shapes):      def
__init__(self,radius):
        self.radius=radius
self.Area=(math.pi*radius*radius)      def
area(self):
        print("The Area of Circle : ",self.Area)
        class Rectangle(Shapes):
def __init__(self,length,breadth):
        self.length=length
self.breadth=breadth          self.Area=(length
*breadth)
    #def area(self):
        #print("The Area of Rectangle : ",self.Area)
        class Triangle(Shapes):
def __init__(self,base,height):
        self.base=base          self.height=height
self.Area=(0.5*(base*height))     def area(self):
print("The Area of Triangle :",self.Area)

A1=Circle(8)
A1.area()
A2=Rectangle(6,2)
A2.area()
A3=Triangle(9,3)
A3.area()
```

```
The Area of Circle :  201.06192982974676 The
Area of Triangle : 13.5
```