**RRT Path Planning Algorithm :**

**Steps to Execute the Program :**

1. Download the files : **RRT\_Main\_Driver\_Logic.py and RRT\_Root\_Logic.py**
2. Import them in your IDE :
3. The program is developed by importing random, math and pygame libraries.
4. Install the necessary libraries.
5. Debug the program file - **RRT\_Main\_Driver\_Logic.py**
6. Execute the Program.
7. The output is show in a separate window.

**Program Files and Required Libraries :**

File : RRT\_Main\_Driver\_Logic.py and RRT\_Root\_Logic.py

Libraries : import Math, Random, and Pygame.

**Logic :**

In **RRT\_Main\_Driver\_Logic.py**  Change the following parameters for

Keying the required dimensions, start /goal and obstacle dimensions and no of obstacles :

dimensions = (600, 1000) #Enter the Dimensions of the Map  
start = (50,50) #Enter the Start Point Coordinates  
goal = (510, 510) #Enter the Goal Point Coordinates  
obsdim = 50 #Enter the Obstacle Dimensions  
obsnum = 3 #input for entering the required No of Obstacles on the map