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| **SET - 4**  **Experiment No - 1**: Find the value of pi using Monte Carlo Simulation Method  **r = 10.2** |
| **Tasks :**   1. Find the value of pi using Monte Carlo Simulation method through Simulation 2. Compare the experimental value of pi with the theoretical one. |
| **Marks distribution :**   1. Task – a : 5 marks 2. Task – b : 5 marks |
| **Sample input and output for Task-a :**   |  |  | | --- | --- | | Sample input :  Enter trial Number : 10  Enter trial Number : 100 | Sample output :  Pi value : 2.8000    Pi value : 3.1200 |   **Sample input and output for Task-b :**  No input for Task-b.  Sample output : |