**Tribhuvan University**

**Institute of Science and Technology**

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**Central Department of Computer Science and Information Technology**

**Kirtipur, Kathmandu**

**Computational Geometry**

**Assignment**

**Lab 1: Implementation of Geometric Objects**

**Submitted by: Submitted To:**

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**Roll No.:** 01/077

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**Lab 1:** Write a program to implement following geometric objects

1. Point
2. Line Segment
3. Ray
4. Line

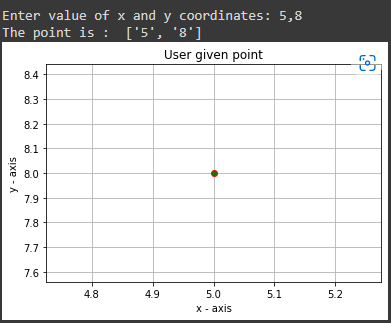
**Answer**

Code can be found on: https://colab.research.google.com/drive/1kjThFwOgLdRUP8jZpVhMdwHlo2KpQpHn

1: Point



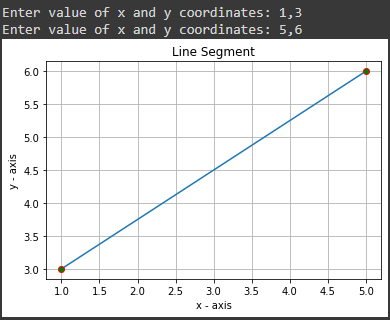
Output:

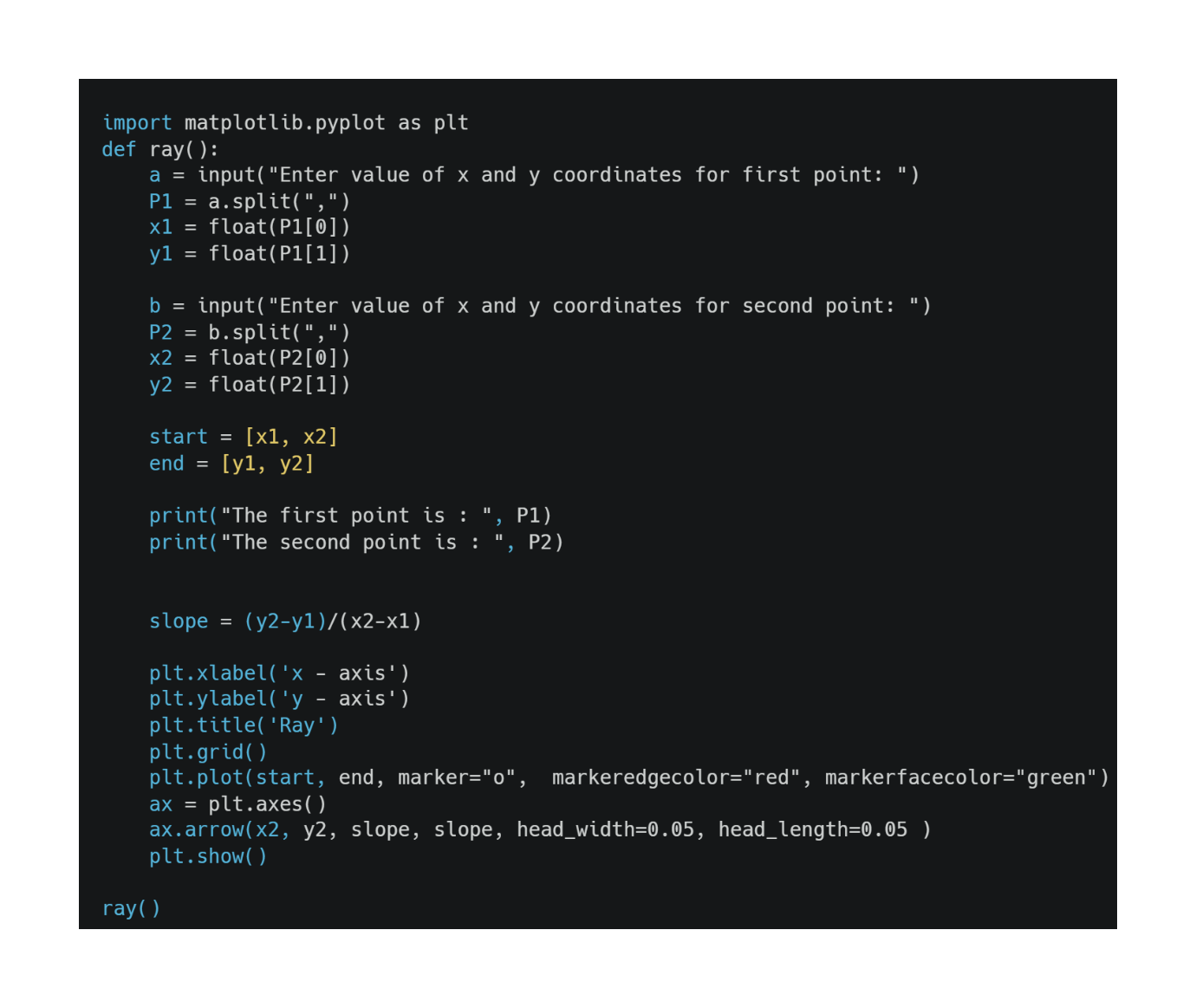


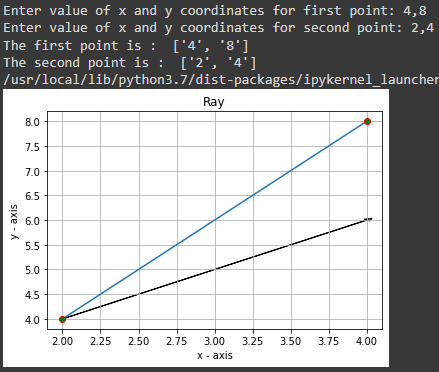
2: Line Segment



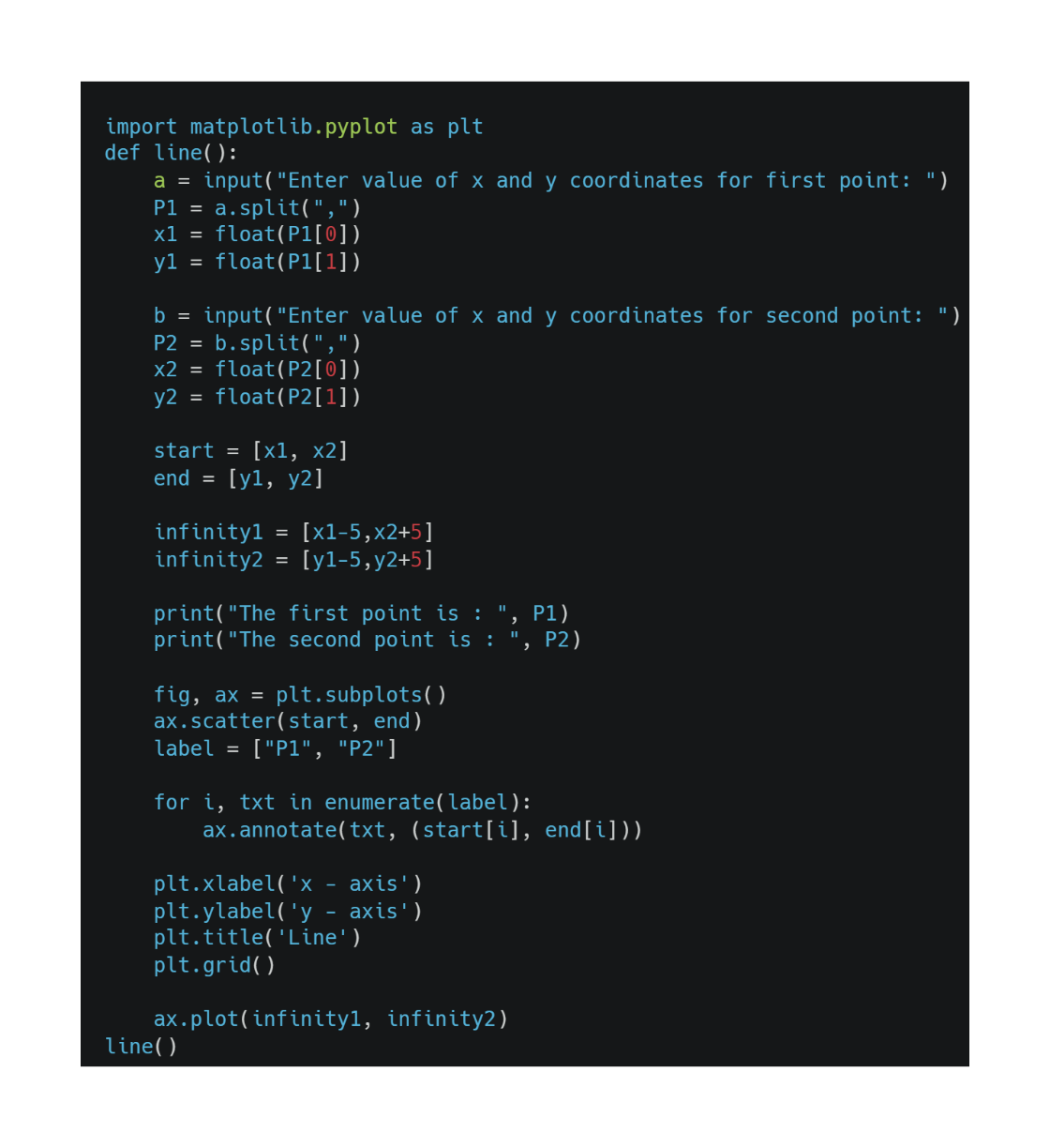
Output:



3: RayOutput:



4: Line



Output:

