# Introduction to Programming with Java

**Task:** MovingBall
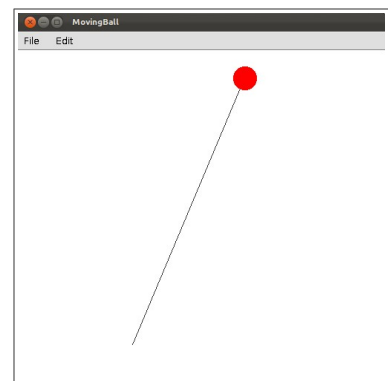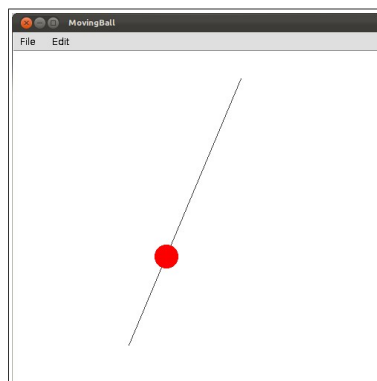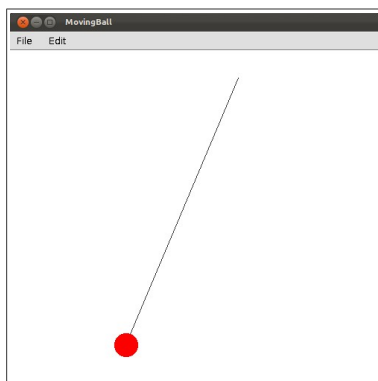
**Prerequisites:** ACM Task Force Commands

**Description:**

In this problem you are asked to create a circle and animate it to move along a path represented by a line. The start and end coordinates of the line should be generated randomly between 0 and 500.

Implement the *createCircle()* method, where you should create a circle with radius *CIRCLE_RADIUS* and color *CIRCLE_COLOR* as given in the code.

The circle should take *NUM_OF_STEPS* number of steps before it reaches the end coordinate and should pause for *PAUSE_TIME* milliseconds after each step.

Sample run 1:

Sample run 2: