

```
import java.util.Scanner;
import java.lang.Math;
/* Eryn Todd
   01/17/2024
   This program will calculate the distance and velocity of a fall
   */
public class Main {
    private static Scanner input = new Scanner(System.in);
    public static void main(String[] args) {
        double time, distance, velocity;

        System.out.print("Enter free-fall time in seconds: ");
        time = input.nextDouble();

        distance = 0.5 * 32.0 * Math.pow(time, 2);
        velocity = 32.0 * time;

        System.out.println("The fall of the coyote was " + distance + " feet and travelling at " + velocity + " feet/sec.");
    }
}
```