S.No: 13	Exp. Name: ***Volume of a cube***	Date:2025-09-16

Aim:

Daniel is creating a program to calculate the volume of a cube. Write a Java program that prompts the user to enter the side length of the cube. Use a try-catch block to handle the exception if the side length is negative. Calculate and print the volume of the cube. If the side length is negative, print "Error: Negative side length".

Input format:
One line containing the side length of the cube (as a double).

Output format:
Print the volume if the side length is non-negative; otherwise, print "Error: Negative side length".

Source Code:

q28340/CubeVolumeCalculator.java

```
package q28340;
import java.util.Scanner;

public class CubeVolumeCalculator {
    public static void main(String[] args){
    // write the code..
      Scanner sc = new Scanner(System.in);

        try {
         double sl = sc.nextDouble();
         if(sl<0)
            throw new IllegalArgumentException("Negative side length");
         double v = sl*sl*sl;

         System.out.println(v);
        } catch (Exception e) {
         System.out.println("Error: Negative side length");

        }
   }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
-2.5
Error: Negative side length

Test Case - 2
User Output
5.0
125.0