**Java LAB – {9}**

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3-MCA B

**CODE :**

import java.util.Scanner;

public class main {

  public static void main(String[] args) {

    Scanner scanner = new Scanner(System.in);

    int productId = -1;

    try {

      System.out.print("Enter the product ID: ");

      productId = Integer.parseInt(scanner.nextLine());

      String productName = getProductById(productId);

      System.out.println("Product Name: " + productName);

    } catch (NumberFormatException e) {

      System.out.println("Invalid product ID. Please enter a valid number.");

    } catch (ProductNotFoundException e) {

      System.out.println("Product not found in the database.");

    } catch (Exception e) {

      System.out.println("An error occurred while processing your request.");

    }

  }

  private static String getProductById(int productId) throws ProductNotFoundException {

    // code to fetch product from the database goes here

    if (productId == 1234) {

      return "Stickers by Yuckquee";

    } else {

      throw new ProductNotFoundException();

    }

  }

}

class ProductNotFoundException extends Exception {

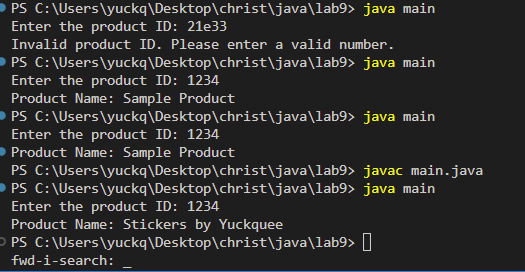
  public ProductNotFoundException() {

    super("Product not found in the database.");

  }

}

**OutPut:**

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