

## Question 02:

```
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        try {

            System.out.print("Enter the size of the array: ");

            int size = scanner.nextInt();

            int[] arr = new int[size];

            System.out.println("Enter " + size + " integers:");

            for (int i = 0; i < size; i++) {

                arr[i] = scanner.nextInt();

            }

            System.out.print("Enter the index to access: ");

            int index = scanner.nextInt();

            int value = arr[index];

            System.out.println("Value at index " + index + ": " + value);

        } catch (ArrayIndexOutOfBoundsException e) {

            System.out.println("Invalid index! Array index is out of bounds.");

        } catch (Exception e) {
```

```
        System.out.println(" Something went wrong!");  
    } finally {  
        scanner.close();  
    }  
}  
}
```