EXERCISE QUESTIONS

1) ArithmeticException sample program

```
public class Sample {
    public static void main(String[]
args) {

        try {
            System.out.println("Before");
            int result = 10 / 0;
            System.out.println("After");
        } catch (ArithmeticException e) {
            System.out.println("Error: "
+ e.getMessage());
        }

        System.out.println("End");
    }
}
```

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2) Example for try-catch-finally block

```
public class Example {
    public static void main(String[] args) {
        try {
            System.out.println("Try");
        } catch (Exception e) {
            System.out.println("Catch");
        } finally {
            System.out.println("Finally");
        }
    }
}
```

3) Explain the output of following program?

```
public class Example {
    public static void main(String[] args) {
        try {
            String s = null;
            System.out.println(s.length());
        } catch (NullPointerException e) {
            System.out.println("Caught NPE");
        }
    }
}
```

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4) Explain the output of following program?

```
public class Example {
    public static void main(String[] args) {
        try {
            int num = Integer.parseInt("123");
            System.out.println("Parsed: " +
num);
        } catch (NumberFormatException e) {
            System.out.println("Not a number");
        }
    }
}
```

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5) What is the output?

```
public class Example {
    public static void main(String[] args) {
        try {
```

```
            int[] arr = new int[3];
            arr[0] = 10;
            arr[1] = 20;
            arr[2] = 30;
            System.out.println(arr[1]);
        } catch (ArrayIndexOutOfBoundsException
e) {
            System.out.println("Out of
bounds");
        }
    }
}
```