

Name: Patil Rohit Kalyan Roll No.- 2201149 Division :- MCA [B]

```
import java.io.File;
```

```
import java.io.FileNotFoundException;
```

```
import java.util.*;
```

```
public class ExceptionExample {
```

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

```
        try {
```

```
            // ArithmeticException
```

```
            int a = 10, b = 0;
```

```
            int c = a / b;
```

```
            // NullPointerException
```

```
            String str = null;
```

```
            System.out.println(str.length());
```

```
            // ArrayIndexOutOfBoundsException
```

```
            int[] arr = {1, 2, 3};
```

```
            System.out.println(arr[3]);
```

```
            // FileNotFoundException
```

```
            File file = new File("example.txt");
```

```
            Scanner sc = new Scanner(file);
```

```
        } catch (ArithmeticException e) {
```

```
        System.out.println("Caught ArithmeticException: " +
e.getMessage());
    } catch (NullPointerException e) {
        System.out.println("Caught NullPointerException: " +
e.getMessage());
    } catch (ArrayIndexOutOfBoundsException e) {
        System.out.println("Caught
ArrayIndexOutOfBoundsException: " + e.getMessage());
    } catch (FileNotFoundException e) {
        System.out.println("Caught FileNotFoundException: " +
e.getMessage());
    }
}
}
```

Output

Output:

Caught ArithmeticException: / by zero