

Lab 06

1.

```
Error.java 1 X
src > J Error.java > Error > main(String[])
1  import java.util.Scanner;
2
3  public class Error {
4      Run | Debug
5      public static void main(String[] args) throws Exception {
6
7          int x,y;
8
9          Scanner sc = new Scanner(System.in);
10         try{
11             System.out.println(x:"Enter first number: ");
12             x=sc.nextInt();
13
14             System.out.println(x:"Enter second number: ");
15             y=sc.nextInt();
16
17             int ans = x/y;
18             System.out.println("Answer is: "+ans);
19         }
20
21         catch(ArithmeticException e){
22             System.out.println("Number divided by zero error "+e);
23         }
24
25
26
27
28     }
29 }
30
```

2.

```
ArrayOutOfBounds.java X
c > J ArrayOutOfBounds.java > ArrayOutOfBounds > main(String[])
1 public class ArrayOutOfBounds {
    Run | Debug
2     public static void main(String[] args) throws Exception {
3
4         int[] numbers = {1,2,3,4,5};
5
6         try{
7             int value = numbers[11];
8             System.out.println("Value: "+ value);
9         }
10        catch(ArrayIndexOutOfBoundsException e){
11            System.out.println("Error Array index is out of boundries. "+e);
12        }
13
14    }
15 }
16
```

3.

```
J FileNotFound.java 1 ●
src > J FileNotFound.java > FileNotFound > main(String[])
1  import java.io.File;
2  import java.io.FileNotFoundException;
3  import java.util.Scanner;
4
5
6
7  public class FileNotFound {
8      Run | Debug
9      public static void main(String[] args) throws Exception {
10         try{
11             File file = new File(pathname:"nonexistent.txt");
12             Scanner sc = new Scanner(System.in);
13
14             while(sc.hasNextLine()){
15                 String line = sc.nextLine();
16                 System.out.println(line);
17             }
18             sc.close();
19         }
20         catch(FileNotFoundException a){
21             System.out.println("Error: File not found"+a);
22         }
23     }
24 }
25
```