Java Lab Evaluation 4:

Write a program with multiple catch statement with one try statement:

Program:

```java
import java.util.FormatterClosedException;

public class Main{
    public static void main(String[] args) {
        try {
            int a = Integer.parseInt(args[0]);
            int b = Integer.parseInt(args[1]);
            int c = a/b;
            System.out.println(" " + a + "/" + b + " is " + c);
        } catch (NumberFormatException e) {
            System.out.println("Please pass the valid arguments : NumberFormatException");
        } catch (ArrayIndexOutOfBoundsException e) {
            System.out.println("Please pass the arguments : ArrayIndexOutOfBoundsException ");

        } catch (ArithmeticException e) {
            System.out.println("Argument 2 must not be 0 : ArithmeticException ");

        } catch (Exception e){
            System.out.println("Exception occur");
            //e.printStackTrace();
        } finally{
            System.out.println("Execution of try catch block is over.");

        }
    }
}
```

Example:

```
(base) prabodh:lab_evaluation_4 prabodhmayekar$ java Main 4 2
 4/2 is 2
Execution of try catch block is over.

(base) prabodh:lab_evaluation_4 prabodhmayekar$ java Main 4 0
Argument 2 must not be 0 : ArithmeticException
Execution of try catch block is over.

(base) prabodh:lab_evaluation_4 prabodhmayekar$ java Main 4
Please pass the arguments : ArrayIndexOutOfBoundsException
Execution of try catch block is over.

(base) prabodh:lab_evaluation_4 prabodhmayekar$ java Main 4
hello
Please pass the valid arguments : NumberFormatException
Execution of try catch block is over.
```