

Lab Sheet 10

Question 01

```
import java.util.Scanner;

public class Excep
{
    public static void main(String[] args)
    {
        try
        {
            Scanner sc=new Scanner(System.in);
            int num1,num2,div;
            System.out.print("Enter the first number: ");
            num1=sc.nextInt();
            System.out.print("Enter the second number: ");
            num2=sc.nextInt();
            div=num1/num2;
            System.out.println("Division is: "+div);
        }
        catch(ArithmeticException e)
        {
            System.out.println("Error: divided by zero.");
        }
    }
}
```

Question 02

```
public class ArrayExcep
{
    public static void main(String[] args)
    {
        try
        {
            int arra[]=new int[6];
            arra[3]=14;
            System.out.println("arra[3]: "+arra[3]);
            arra[7]=20;
            System.out.println("arra[7]: "+arra[7]);
        }
        catch(ArrayIndexOutOfBoundsException e)
        {
            System.out.println("Error: Array out of bound.");
        }
    }
}
```

Question 03

```
import java.io.*;
import java.util.Scanner;
public class FileExcep
{
    public static void main(String[] args)
    {
        try
        {
            File file=new File("C:\\Users\\Poorna Wijesinghe\\Desktop\\test.txt");
            Scanner sc=new Scanner(file);
            while(sc.hasNextLine())
            {
                String data=sc.nextLine();
                System.out.println(data);
            }
        }
        catch(FileNotFoundException e)
        {
            System.out.println("Error: File cannot found.");
        }
    }
}
```