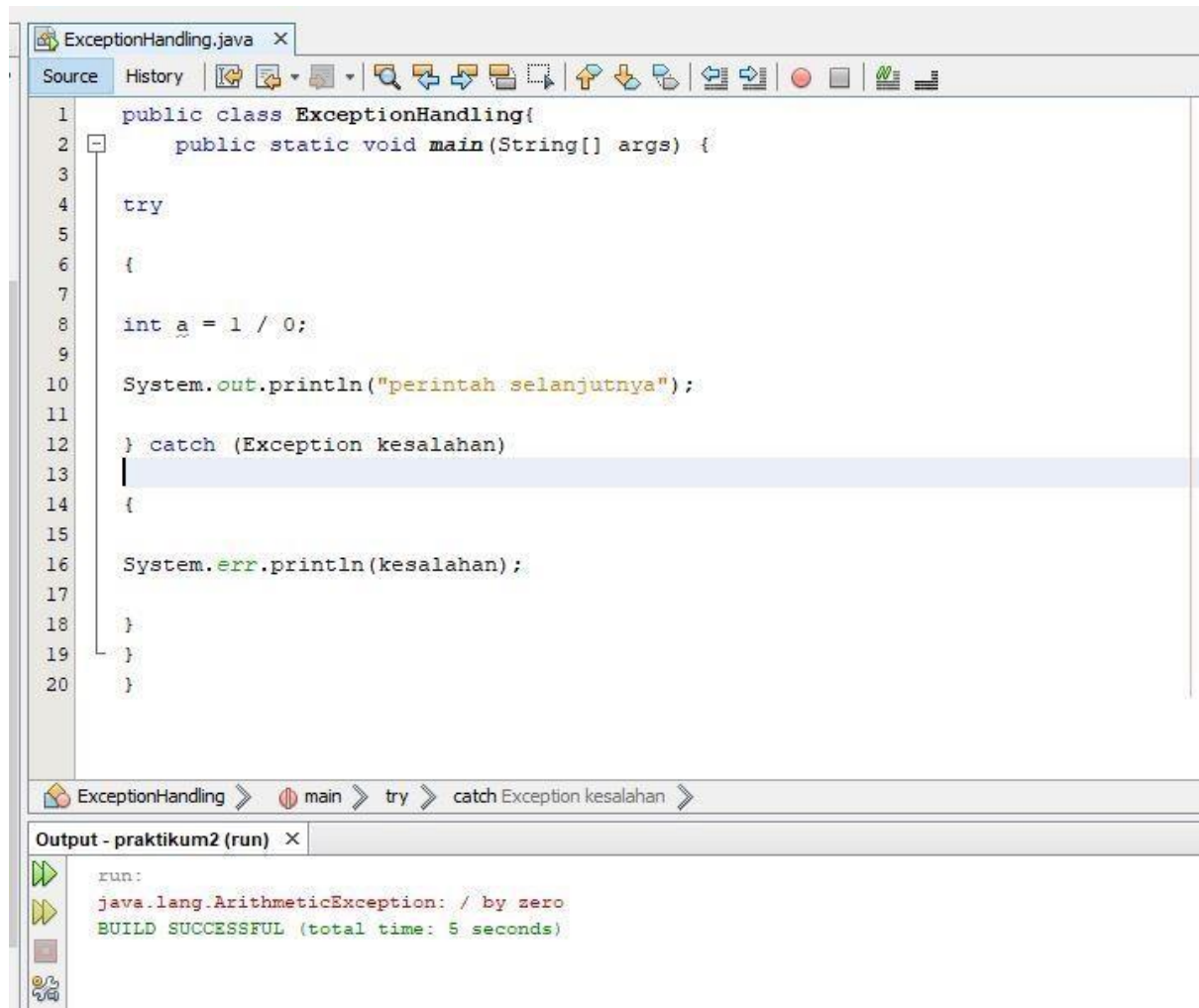


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Matkul : Pemrograman Berorientasi Objek (Sesi 11)

Try catch1



The screenshot shows an IDE window titled 'ExceptionHandling.java'. The code defines a public class 'ExceptionHandling' with a 'main' method. Inside 'main', a 'try' block contains the statement 'int a = 1 / 0;', which intentionally causes an 'ArithmeticException'. Following the 'try' block is a 'catch' block for 'Exception kesalahan', which prints the exception message to the error stream using 'System.err.println(kesalahan);'. The IDE's breadcrumb navigation at the bottom shows the path: 'ExceptionHandling > main > try > catch Exception kesalahan >'. Below the code editor, the 'Output - praktikum2 (run)' window displays the execution results: 'run:', 'java.lang.ArithmeticException: / by zero', and 'BUILD SUCCESSFUL (total time: 5 seconds)'.

```
1 public class ExceptionHandling{
2     public static void main(String[] args) {
3
4         try
5         {
6
7             int a = 1 / 0;
8
9             System.out.println("perintah selanjutnya");
10
11         } catch (Exception kesalahan)
12         {
13
14             System.err.println(kesalahan);
15
16         }
17     }
18 }
19
20 }
```

run:
java.lang.ArithmeticException: / by zero
BUILD SUCCESSFUL (total time: 5 seconds)

Trycatch2

```
1 public class ExceptionHandling{
2     public static void main(String[] args)
3     {
4         try
5         {
6
7             int a = 1/0; System.out.println("perintah selanjutnya");
8
9         } catch (NullPointerException e) {
10
11         }
12
13         catch(ArrayIndexOutOfBoundsException e) {
14         }
15         catch(Exception e) {
16
17         }
18     }
19 }
```

ExceptionHandler

Output - praktikum2 (run) X

run:
BUILD SUCCESSFUL (total time: 3 seconds)

Finaly

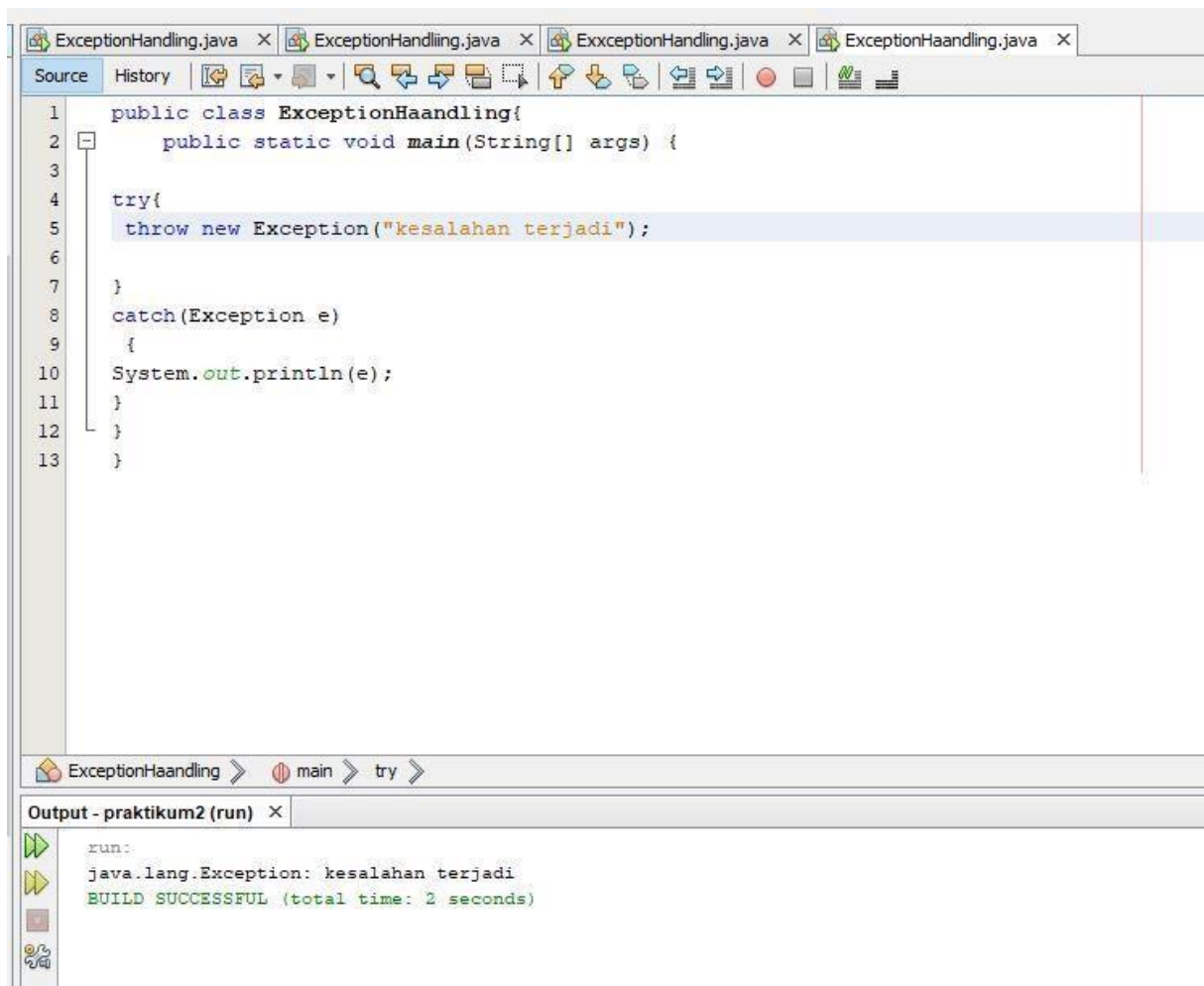
```
1 public class ExxceptionHandling {
2     public static void main(String[] args) {
3
4         try{
5
6             int a = 1/8;
7         }
8         catch (Exception e)
9         {
10            System.out.println("ada kesalahan yang muncul");
11        }
12        finally
13        {
14            System.out.println("terima kasih telah menjalankan program");
15        }
16    }
17 }
18
19
```

ExxceptionHandling > main > try > a

Output - praktikum2 (run) X

run:
terima kasih telah menjalankan program
BUILD SUCCESSFUL (total time: 3 seconds)

Throw1



The screenshot shows an IDE with four tabs, all named 'ExceptionHandling.java'. The 'Source' tab is active, displaying the following Java code:

```
1 public class ExceptionHaandling{
2     public static void main(String[] args) {
3
4         try{
5             throw new Exception("kesalahan terjadi");
6         }
7         catch(Exception e)
8         {
9             System.out.println(e);
10        }
11    }
12 }
13 }
```

Below the code editor, the breadcrumb navigation shows 'ExceptionHaandling > main > try >'. The 'Output - praktikum2 (run)' window displays the following output:

```
run:
java.lang.Exception: kesalahan terjadi
BUILD SUCCESSFUL (total time: 2 seconds)
```

Throw2

```
1 public class ExceptionHandling {
2
3     public static void main(String[] args) {
4         try
5         {
6             throw new B();
7         }
8         catch(B e){
9             System.out.println(e);
10        }
11    }
12 }
13 class B extends Exception{
14     B(){
15     }
16     public String toString(){
17         return "object dengan tipe kelas B";
18     }
19 }
20
```

Output - praktikum2 (run) ×

run:
B
BUILD SUCCESSFUL (total time: 3 seconds)

Throws

```
1 public class ExceptionHandlinng {
2
3     public static void main(String[] args) {
4         try{
5             f();
6         }
7         catch(ArrayIndexOutOfBoundsException | NullPointerException e){
8             System.out.println(e);
9         }
10    }
11    public static void f() throws NullPointerException, ArrayIndexOutOfBoundsException{
12        throw new NullPointerException();
13    }
14 }
15
16
```

Output - praktikum2 (run) ×

run:
B
BUILD SUCCESSFUL (total time: 3 seconds)