

2 Exception2 - Apache NetBeans IDE 12.2 Search (Ctrl+I) File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help The second secon Source History | 🚱 🔯 → 💹 → | 💆 🐯 🚭 🖳 | 🔗 😓 🤮 💇 💇 | ● 🖂 | 💇 🚅 \* @author MAH public class Exception2 { Secreption I D Secrep \* @param args the command line arguments public static void main(String[] args) ( int i=0; String greetings[]={
 "Hello World!",
 "No,I mean it!",
 "HELLO WORLD!" while(i<4) try Output - Exception2 (run) × Resetting index value Hello World! Hello World!

No,I mean it!

HELLO WORLD!

Resetting index value
Hello World!

No,I mean it!
HeLLO WORLD!

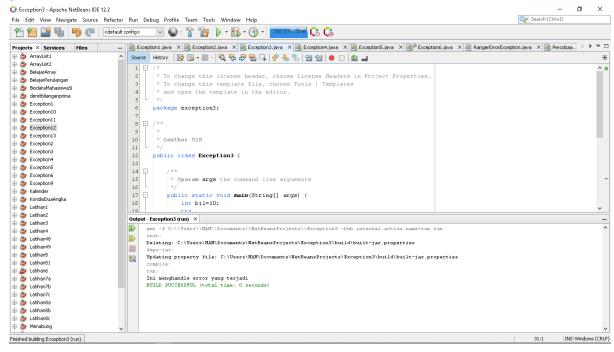
Resetting index value
Hello World!

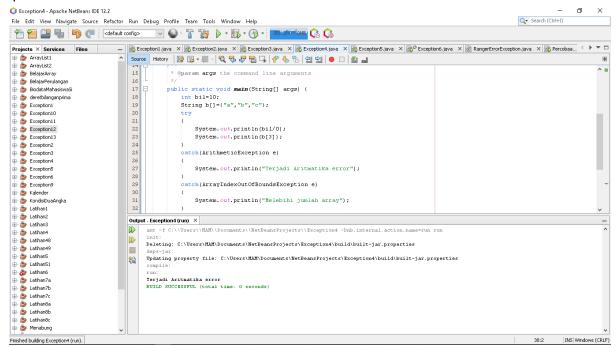
No,I mean it!
HELLO WORLD!

RESETTING INDEX

HELLO WORLD! 075 2/80 Resetting index value
Resetting index valueBUILD STOPPED (total time: 3 seconds) 31:13 | INS| Build of Exception2 (run) stopped.

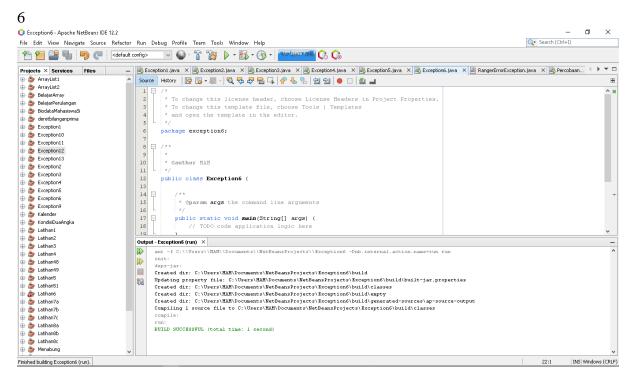
18:1





```
5
Exception5 - Apache NetBeans IDE 12.2
                                                                                                                                                                  Search (Ctrl+I)
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
 Projects X Services | Files | __ | S Exception 1, jave X | S Exception 2, jave X | S Exception 3, jave X | S Exception 3, jave X | S Exception 5, jave X | S Exception 6, jave X | S Ranger Error Exception 1, jave X | S Percoba.
Source History | 🚱 💀 - 🔻 - 💐 🚭 📮 📮 | <equation-block> - 🖧 - 🕞 | 💇 🛂 | ● □ | 🕮 🚅
                                        package exception5;
                                     public class Exception5 (
                                                   * @param args the command line arguments
                                                  public static void main(String[] args) (
                                                      try
{
                                                          System.out.println(bil/0);
                                      Output - Exception5 (run) ×
                                           Deleting: C:\Users\MAM\Documents\NetBeansProjects\Exception5\build\built-jar.properties
                                     Updating property file: C:\Users\MAM\Documents\NetBeansProjects\Exception5\build\built-jar.properties
                                          Pesan error:
/ by zero
Info stack crase
java.lang.ArithaeticException: / by zero
java.lang.ArithaeticException: / by zero
at exceptions.Exceptions.main(Exceptions.java:21)
EUILD SUCCESSFUL (total time: 0 seconds)
  - 🌦 Latihan8a
   . 🕭 Latihan8b
Finished building Exception5 (run).
```

Kesalahan yang ditimbulkan di dalam block 'try' yakni dimana bilangan akan dibagi oleh '0', maka dari kesalahan itu akan dianggap object oleh 'catch' yang kemudian akan di assign ke variable kesalahan dengan tipe Exception.

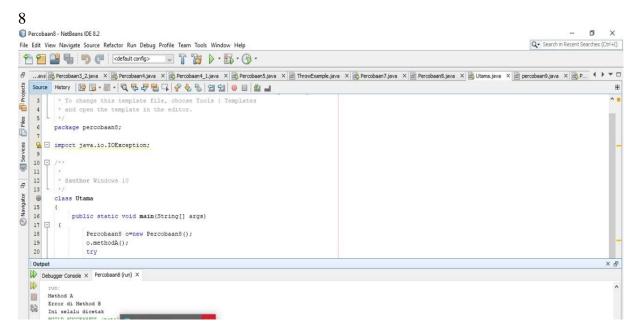


NullPointerException menginisialisasi sebagai t. Kemudian mengganti massage dengan "Coba Throw", selanjutnya massage akan dilempar pada akhir program ketika error. Terdapat 30 baris code dengan penyusunan standard format

```
7
 Percobaan7 - Apache NetBeans IDE 12.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Search (Ctrl+I)
   File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
    Projects X Services | Files | __ | __ Exception j.java X __ Except
                                                                                                                                    * @author HAH
        - 🍃 deretbilanganprima
- 🍃 Exception1
                                                                                                                                                         public class Percobaan7 (
       Exception 10
      Exception11
Exception12
Exception13
Exception2
Exception2
Exception4
Exception5
Exception6
                                                                                                                                                                                      * @param args the command line arguments
                                                                                                                                                                       public static void main(String[] args) (
                                                                                                                                                       try
(
throw new Exception("Here's my Exception");

P S Exception 6
P S Exception 6
P S Exception 6
P S Kalender
P S Kalender
P S Kalender
P S Kalender
P S Lathan 6
P S Lathan 7
                                                                                                                                                                                                           System.out.println("Caught Exception");
                                                                                                                                                       Updating property file: C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\built-jar.properties
Created dir: C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\classes
Created dir: C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\engty
Created dir: C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\engty
Created dir: C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\engty
Compiling 1 source file to C:\Users\MAM\Documents\MetBeansProjects\Percobaan7\build\ength{engty}
                                                                                                                                   run:
Caught Exception
e.getMessage():Here's my Exception
java.lang.Exception: Here's my Exception
e.coString():java.lang.Exception: Here's my Exception
e.printStackTrace():
       - 🍥 Latihan8a
           . 🕭 Latihan8b
                                                                                                                                                       at percobaan?.Percobaan?.main(Percobaan?.java:20)
BUILD SUCCESSFUL (total time: 1 second)
```

Menggunakan "throw". Keyword throw digunakan untuk melemparkan suatu bug yang dibuat secara manual. Bugs yaitu "Here's my Exception" maka otomatis fitur catch akan menganggap "Here's my Exception" sebagai exception. Kemudian juga memakai "toString()" yang digunakan untuk merepresentasikan objek apapun dalam tipe string, sementara fitur "printStackTrace()" membantu pemrogram untuk memahami di mana masalah sebenarnya terjadi, printStacktrace() adalah metode kelas Throwable dari java.



Percobaan kali ini memerlukan class baru untuk mengeksekusi Exception8. Exception8 hanya berisi perintah untuk mengeprint methodA dan methodB berisi operasi 20/0. Pada awalnya ketika methodB di jalankan di class utama terjadi error. Akan tetapi, ketika code di class utama dirubah menggunakan fitur try and catch maka error lebih terdefinisi dengan jelas dan kalimat "ini selalu dicetak" akan selalu dicetak karena menggunakan method "finally".

```
- 🗗
Exception9 - Apache NetBeans IDE 12.2
  File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
    ...avd 🚳 Exception2.java × 🚳 Exception3.java × 🎒 Exception4.java × 🎒 Exception5.java × 🚳 Exception6.java × 🚳 Percobaan7.java × 🚳 Exception9.java ×
  Projects × Services Files -
  Source History | 🚱 🖟 - 💀 - | 💐 😓 🐉 🖶 📮 | 🔗 😓 😭 💇 👲 🕒 | 💇 🛓
                                                                                                            /*

* To change this license header, choose License Headers in Project Properties.

* To change this template file, choose Tools | Templates

* and open the template in the editor.

*/
                                                                                                                               package exception9;
                                                                                                                           * * @author HAH
                                                                                                                               public class Exception9 (

    Exception6
    Exception6
    Exception6
    Kalender
    Kalender
    Kands DusAngka
    Lethan1
    Lethan2
    Lethan3
    Lethan4
    Lethan4
    Lethan5
    Lethan5
    Lethan5
    Lethan6
    Lethan6
    Lethan7a
    Lethan7a
    Lethan7a
    Lethan7a
                                                                                                             14 -
15 -
16 -
17 -
18 -
                                                                                                                                                  * @param args the command line arguments
                                                                                                                                               public static void main(String[] args) {
                                                                                                                              -Exception9 (run) × ant -f C:\\Users\\\HAM\\Documents\\WetBeansProjects\\Exception9 -Dnb.internal.action.name=run run init:
                                                                                                            D
                                                                                                            deps-jar:

Created dir: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build
Updating property file: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build\build\built-jar.properties
Created dir: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build\classs
Created dir: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build\classs
Created dir: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build\classs
Created dir: C:\Users\MAM\Documents\NetBeansProjects\ExceptionS\build\square
Compiling 1 source file to C:\Users\Mam\Documents\NetBeans\Bould\square
Compil
                                                                                                            0.5
VB
     . 🌦 Latihan8a
                                                                                                                              The String was blank
    Latihan8b
                                                                                                                              All done
BUILD SUCCESSFUL (total time: 1 second)

    Substitution
    Latinan8c
    Substitution
    Menabung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INS Windows (CRLF)
Finished building Exception9 (run).
```

## 10

```
Exception 10 - Apache NetBeans IDE 12.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Search (Ctrl+I)
    File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
       Projects X Services Files __ ...ave (a) Exception 4, java X (a) Exception 5, java X (a) Exception 6, java X (a) Exception 7, java X (a) Exception 9, java X (a) Exception 9, java X (a) Exception 10, java X (a) Exception 10
    Source History | 🚱 🔯 - 💹 - | 📆 👺 👺 🚭 📮 | 🔗 😓 🖭 💇 👲 | ● 🖂 | 🕮 🚅
                                                                                                                                                                                                      * To change this license header, choose License Headers in Project Properties
* To change this template file, choose Tools | Templates
* and open the template in the editor.
*/
                                                                                                                                                                                                           package exception10;
        Exception10
          Exception 10

Exception 11

Exception 12

Exception 2

Exception 2

Exception 3

Exception 3

Exception 6

Exception 6

Exception 6

Exception 9

Ex
                                                                                                                                                                                       8 import java.io.IOException;
9 import java.io.Random&ccessFile;
                                                                                                                                                                                 * @author HAH
                                                                                                                                                                                 15 p
16 17 = 18
                                                                                                                                                                                                           public class Exception10 (
                                                                                                                                                                                                                       /**

* @param args the command line arguments
                                                                                                                                                                                 Output - Exception10 (run) ×
                                                                                                                                                                               D
          - 🍥 Latihan48
                                                                                                                                                                                                           Created dir: C:\Users\MAM\Documents\NetBeansProjects\Exception10\build
                                                                                                                                                                                                        Created dir: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\
Updating property file: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\build\built-jar.properties
Created dir: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\classes
Created dir: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\expty
Created dir: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\expty
Created dir: C:\Users\MAN\Documents\NetBeansProjects\ExceptionlO\build\expty
Compile:
Compile:
              b Latihan49
           Lathan49
Lathan5
Lathan5
Lathan6
Lathan6
Lathan7a
Lathan7a
Lathan7c
Lathan8a
                                                                                                                                                                               0.5
5/B)
                                                                                                                                                                                                           Satu 1920
Dua 1230
     Latihan8b

Latihan8c

Menabung
                                                                                                                                                                                                           test
BUILD SUCCESSFUL (total time: 1 second)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1:3 INS Windows (CRLF)
Finished building Exception10 (run).
```

