



WELCOME TO MY PRESENTATION

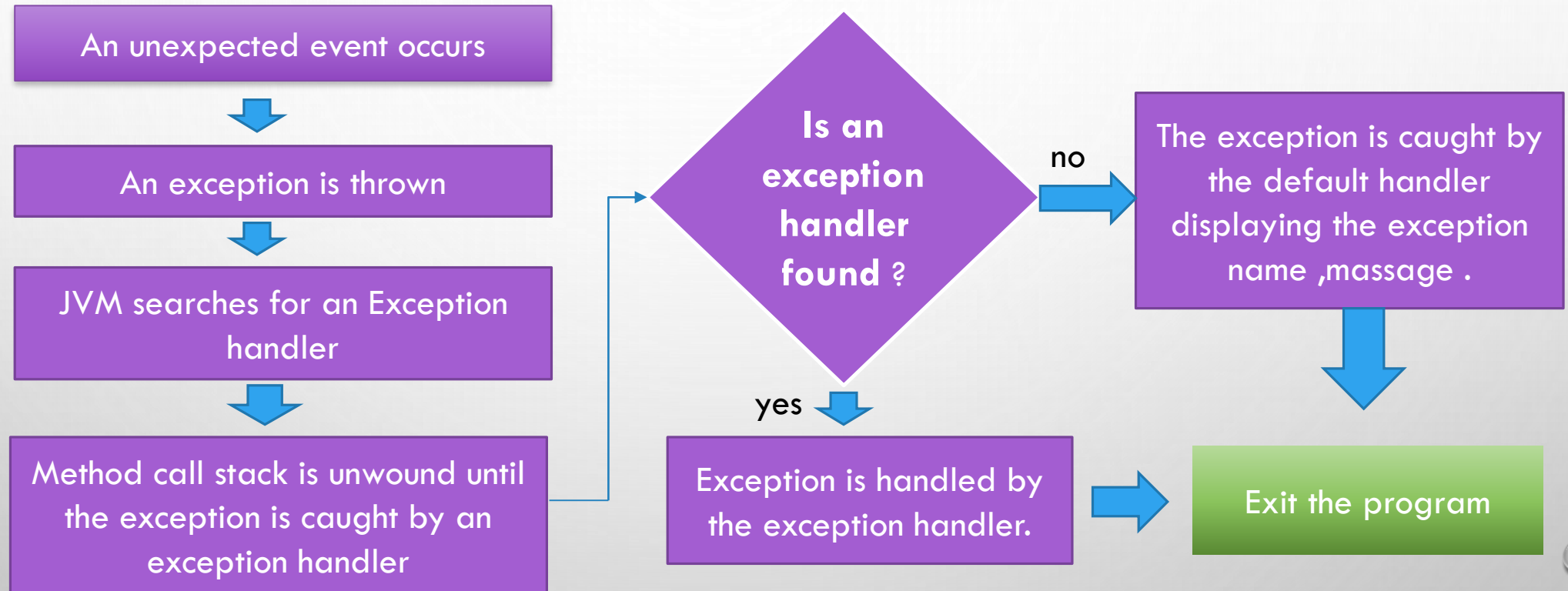
PRESENTATION ON
EXCEPTIONAL HANDLING



WHAT DO YOU MEAN BY EXCEPTION HANDLING?

- IF WE WANT TO KNOW THE EXCEPTION HANDLING ,AT FIRST WE HAVE TO KNOW WHAT IS THE EXCEPTION. AN EXCEPTION IS A CONDTION THAT IS CAUSED BY A RUNTIME ERROR IN THE PROGRAM. AN OCCURRENCE OF AN EXCEPTION,DISTRUPS THE NORMAL FLOW OF INSTRUCTIONS IN A PROGRAM. ITS HELPS USER TO :
 - A) NOTIFY THE ERROR.
 - B) SAVE ALL WORK.
 - C) ALLOW GRACEFUL TERMINATION OF A PROGRAM.
- **EXCEPTIONAL HANDLING IN JAVA PROVIDES IN A MECHANISM TO MANAGE UNEXPECTED SITUATIONS IN A JAVA PROGRAM AT RUNTIME .**

The Events that occur when an Exception is raised are illustrated in as bellows :



Some of the Common Java Exception

1. **Exception**—Base class for all exception objects.
2. **SystemException**—Base class for all runtime errors.
3. **DivideByZeroException**—Error by dividing a value by zero.

JAVA PROGRAMMING

The following statements are used to handle exception in a java program:

1. **throw**- it is used to explicitly throw an exception.
2. **try**- It is used to monitor the code that capable of throwing an exception.

THE THROW STATEMENT

The throw statement throws an exception. The Syntax is given below:-

Throw expression;

Here

Throw is a keyword and expression denotes a value of a class type System.Exception.

THE TRY STATEMENT

The try statement provides a mechanism for catching exception that may be caused during the execution. The three try statement is given below:

1. Try-catch statement—A try block followed by one or more catch blocks.
2. Try-finally statement—A try block followed by a finally block.
3. Try-catch-finally statement—A try block followed by one or more catch blocks followed by a finally blocks.

THE SYNTAX OF TRY STATEMENT

Try-catch:

```
try
{
-----
}
Catch(Exception Type obj)
{
--
}
```

try-finally:

```
try
{
-----
}
finally{
-----
}
```


Try-catch-finally:

```
try
{
-----
}
catch(Exception Type obj)
{
--
}
finally
{
----
}
```



THANK YOU FOR WATCHING

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