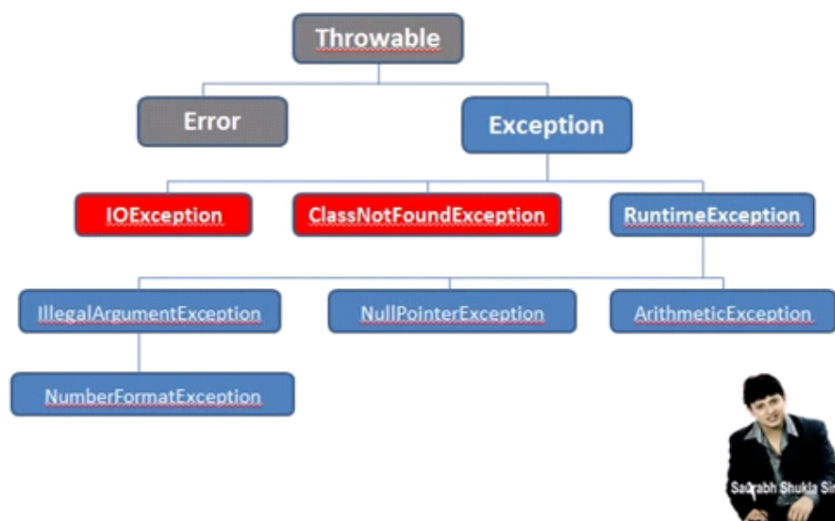


Checked Exception



10 x/y
situations
— { checked
— { unchecked
—

Compile Time Error in checked exception

- ❑ Checked Exceptions forces programmers to deal with the exception that may be thrown
- ❑ IOException, SQLException, IllegalThreadStateException, etc are checked exceptions
- ❑ "checked" means they will be checked at compile time itself



throws

- ❑ A **throws** clause can be used in the method prototype

```
Method() throws <ExceptionType1>,...,  
             <ExceptionTypeN>  
{  
  
}
```



```
Example.java
1  import java.io.*;
2  public class Example
3  {
4      public static void main(String []args)
5      {
6          |
7          try
8          {
9              throw new IOException();
10             //System.out.println("After Exception");
11         }
12         catch(IOException e)
13         { System.out.println("Exception: "+e.getMessage()); }
14     }
15 }
```

```
Example.java
1  import java.io.*;
2  public class Example
3  {
4      public static void main(String []args) throws IOException
5      {
6          throw new IOException();
7          //System.out.println("After Exception");
8      }
9  }
```

throws

- ❑ The throws keyword in java programming language is applicable to a method to indicate that the method raises particular type of exception while being processed.
- ❑ The throws keyword in java programming language takes arguments as a list of the objects of type java.lang.Throwable class.

