Java throw exception

Java throw keyword

The Java throw keyword is used to explicitly throw an exception.

We can throw either checked or uncheked exception in java by throw keyword. The throw keyword is mainly used to throw custom exception. We will see custom exceptions later.

The syntax of java throw keyword is given below.

1. **throw** exception;

Let's see the example of throw IOException.

1. **throw** **new** IOException("sorry device error);

java throw keyword example

In this example, we have created the validate method that takes integer value as a parameter. If the age is less than 18, we are throwing the ArithmeticException otherwise print a message welcome to vote.

1. **public** **class** TestThrow1{
2. **static** **void** validate(**int** age){
3. **if**(age<18)
4. **throw** **new** ArithmeticException("not valid");
5. **else**
6. System.out.println("welcome to vote");
7. }
8. **public** **static** **void** main(String args[]){
9. validate(13);
10. System.out.println("rest of the code...");
11. }
12. }

**[Test it Now](http://www.javatpoint.com/opr/test.jsp?filename=TestThrow1" \t "_blank)**

Output:

Exception in thread main java.lang.ArithmeticException:not valid