

# Java

- description :
- author :
- email : dhan@repia.com
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Openjdk ( )

## Case Study

- java8
- GraalVM

# Java

( ) Oracle / Code Conventions for Java™ Programming Language / 1999-4-20  
 ( )

```

1. extends
2. 가 super();
   , 가
3. (@Override)
   ( , , ) 가

```

```

        (public, protected, default, private)
    @Override
    super. ()
4. final
    final class: String final
    final method():
5. (Polymorphism)

6. instanceof
    : if(A instanceof B )

7. (abstract)
    (new) 가 ,
    가
    1. ( )
    2.
    [public | protected] abstract ( , ...);
    @Override

```

public	, ,	
protected	, ,	가
default	, ,	
private	, ,	

( )

- [Batch\(\)\\_ \\_DB](#)
- [JDBC](#)
- [Math](#)
- [Jenkins\( \)](#)

- [get, post 가](#)
- [ibatis to mybatis](#)
- [jackson](#)
- [jsoup](#)
- [selenium](#)
- [List](#)
- [Regular Expression](#)

- 
- 
- 
- [/ How to check whether an array contains a particular value in java](#)

(Javascript)

base URL

```
function absolute(base, relative) {
  var stack = base.split("/"),
      parts = relative.split("/");
  stack.pop(); // remove current file name (or empty string)
               // (omit if "base" is the current folder without trailing
slash)
  for (var i=0; i<parts.length; i++) {
    if (parts[i] == ".")
      continue;
    if (parts[i] == "..")
      stack.pop();
    else
      stack.push(parts[i]);
  }
  return stack.join("/");
}
```

- [XSS injection prevention](#)

## Apache-commons

- commons-lang
  - [StringUtils](#)
- commons-io
  - [FileUtils](#)
- commons-codec
  - [Base64](#)

## Boolean vs boolean

boolean		true, false	null
null		Boolean	.
	int	Integer	Integer
	null	null	.

# Cast

## Convert double to float in Java

```
double d = getInfoValueNumeric();
float f = (float)d;

// Also notice that the primitive types can NOT store an infinite set of
// numbers:

// float range: from 1.40129846432481707e-45 to 3.40282346638528860e+38
// double range: from 1.7e-308 to 1.7e+308
```

# Date

- 
- 
- [Date java](#) , , ,

# enum

```
Naming (Week.java, Role.java, ...) // Camel case
(MONDAY, ROOT, ...) // Snake case

Calendar.class ~
, , ...
```

TableStatus.java

```
// public enum <-
//
public enum TableStatus
{
    Y("1", true)
    , N("0", false);

    private String table1Value;
    private boolean table2Value;

    TableStatus(String table1Value, boolean table2Value)
    {
        this.table1Value = table1Value;
        this.table2Value = table2Value;
    }
}
```

```

public String getTable1Value()
{
    return table1Value;
}

public boolean isTable2Value() { return table2Value; }
}

```

- values()
  -
- ordinal()
  -
- valueOf()
  - String      String      가      IllegalArgumentException
  -

[Java Enum enum](#)

## Format

- [JAVA/ Float](#)

## Library

- 

## Log

[logging framework logback](#)

# Map

- [How to Convert List to Map in Java](#)

# Optional

```
Optional.ofNullable(value)
Optional.ofNullable(value).orElse(null)
Optional.ofNullable(value).orElseGet(() -> null)
Optional.ofNullable(value).orElseThrow()
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
```

Optional.ofNullable(value)

```
Optional.ofNullable(value)
Optional.empty()
Optional.ofNullable(value).orElse(null)
Optional.ofNullable(value).orElseGet(() -> null)
Optional.ofNullable(value).orElseThrow()
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
Optional.ofNullable(value).orElseThrow(() -> new IllegalArgumentException("value must not be null"))
```

Optional.ofNullable(value)

# Reflection

- [Call Methods at Runtime Using Java Reflection](#)

# Servlet, Request, Context

- [Servlet, Request, Context](#)

# String

- [replaceAll, replace](#)

# Thread

-

## Tip

- [How can I get the current stack trace in Java?](#)

### - `try{} catch(){} finally{}`

- [e.toString\(\), e.getMessage\(\), e.printStackTrace\(\)](#)
- [Spring Guide - Exception](#)

## Ref

- [concurrency](#)
  - [fcntl](#)
- , [java](#), [doc2vec](#)

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