

Java for beginners

Command line arguments



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Agenda

- ① What is CLI?
- ② How to compile and run Java code from CLI?
- ③ How to pass arguments to Java main() method from CLI?
- ④ How to access command line arguments in main() method?
- ⑤ How to use Command line arguments from IntelliJ IDEA?

CLI

- Command Line Interface
 - On Windows
cmd
 - on macOS
terminal

Compile and run Java file from CLI

Compiling Java program:

> Javac filename.java

Run Java Byte code

> Java mainclassname

What are arguments?

Function
Definition

```
{  
    void f1(int x) {  
        // function code  
    }  
}
```

Formal Arguments

...
int a=5;
f1(a); Actual
 Arguments
...
- - -
Function
call

Formal Argument in main()

```
public class Example {
```

```
    public static void main (String [] args) {
```

```
}
```

args is representing
an array of Strings.

}

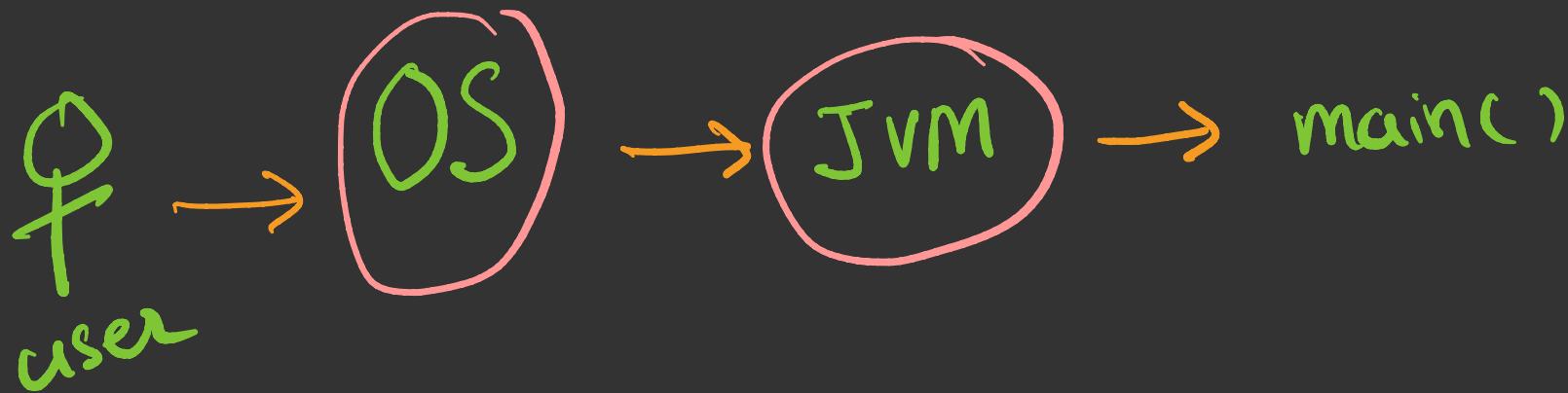
JVM

Example.main()

Passing arguments to main() from CLI

Run Java Byte code

> Java mainclassname arg1 arg2 arg3



Using Command line arguments in Java.

```
public static void main( String []args) {  
    System.out.println ( args[0]);  
}
```

```
public class Example {
    public static void main (String [] args) {
        for (int i=0; i<args.length; i++)
            System.out.println(args[i]);
    }
}
```

Command Line arguments through IntelliJ

Run → Edit Configuration
→ Program arguments

