

why static keyword in main method sir?

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

main -> should be called by jvm and we don't want jvm to create an Object of class where main() is

present.

If method is static then jvm will call the method directly without creating an Object.

inside String[] we can keep any type of data but data will be stored internally as string arguments only.

why need of command line args

To pass the data from command line to a method during the execution.

sir can you please tell me which version of eclipse I have to download and install ?

eclipse : 2020-06 version

sir what is difference between war file and .class file?

.class file -> source code converted by a compiler that file is a .class file

.war file -> collection of many .class files +.html files which is compressed we call as .war file

.jar file -> collection of many .class files which is compressed we call as .jar file.

war file -> web application archieve file

jar file -> java archieve file

What happens if we run the java code directly without compile in IDE then what value is passes to String array?

nothing will be passed

what is difference between print and println ?

```
System.out.print("sachin");
System.out.print("tendulkar");
output:: sachintendulkar __
```

```
System.out.println("sachin");
System.out.println("tendulkar");
output:: sachin
        tendulkar
        __
```

what is the purpose of giving arguments at the time of execution,
Code -----> 3 phases before releasing the code to the users

During SpringBoot session we will demonstrate

Devleopment -----> few inputs associated with developer

Testing -----> few inputs associated with testengineer

Production -----> few inputs associated with QA

either jvm or jre comes into play first ?

code ----> compiled (compiler will come into pitcure) ----> .class

```

file(bytecodes)
  .class should be ready for exeuction
      RAM
          ++++++++
          JRE(java runtime environment)
          => JVM + libraries
          ++++++++

```

you said (main) is the name of the method is it compulsory to use (main) as the name method or any other name?

methods will be written by programmer

```

public void m1()----> haider
public void m2() ---> nitin
public void m3() ---> naveen

```

If haider says jvm to start the execute from m1() ----> starting point
 If nitin says jvm to start the execute from m2() ----> starting point
 If arvind says jvm to start the execute from m3() ----> starting point

To avoid all the is fights b/w developers, SUNMS told the starting point and all the developers should use that method only has the starting point.

```

      starting point of exeution for java is
      public static void main(String[] args)

```

```

      or
      static public   void main(String[] args)

```

JDK => Compiler + JRE(jvm(JIT compiler) +library tools)
 Note: JDK is requried for developers as they write the code and run the code
 JRE is required for endusers as they only run the code.

how type of data checked by the compiler during compilation time in dynamically typed?

```

statically typed   => more work from compiler
dynamically typed => more work at the runtime or during execution

```

java is statically typed or type checking

```

byte,short,int,long
byte a=20;

```

dynamically typed python,javascript(becoz we don't have datatype there)

statically type c,c++,java

How we can decide return value i.e 0 OR 1 OR 10 OR something else...?

```

public int     m1(){
    ;;;;
    ;;;;
    ;;;;
    return 10;
}

```

```

public boolean m2(){
    ;;;;
}

```

```
    ;;;;
    //logic will give true or false as the result
    return false;
}
```