

JAVA INTERVIEW QUESTIONS

Explain
public static void main
In Java

#9

Code For Interview



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

It is the point from where the program starts its execution.

```
class First {  
    public static void main(String[] args)  
    {  
        System.out.println("Hi from Code for Interview");  
    }  
}
```

public:

It is an Access modifier of the main method, which specifies from where and who can access the method.

It has to be public so that JVM can execute this method because JVM is accessing the main method from outside the class and only public methods can be accessed from anywhere outside the class.

So, Making the main() method public makes it globally available otherwise it would not be possible to call it.

static:

Static is a keyword in Java which is class based instead of Objects.

The main() method is static because JVM invoke this method without creating the object of the class. And without creating the object only static methods/variables can be invoked.

So, main method has to be static so that JVM can load the class into memory and call the main method without creating the object.

void:

void is a keyword and it means that a method doesn't return anything.

Java Program mandates that every method should have a return type. As main() method doesn't return anything, its return type is void.

This has been done to keep things simple because once the main method is finished executing, java program terminates. So there is no point in returning anything, there is nothing that can be done for the returned object by JVM.

main:

It is the name of the method. It is the identifier and not a keyword.

It's fixed because when we compile a java program, JVM looks for the main method.

String[] args:

main method accepts a single argument of type String array. Also known as **Java Command Line Arguments**.

We can also use

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

QUESTION FOR YOU ALL

Will it Compile or Not?

```
public class First {  
    static public void main(String args[]) {  
        System.out.println("Code for Interview");  
    }  
}
```


