

**MAIN  
METHOD**

**1. Should a main() method be compulsorily declared in all java programs?**

Yes.

**2. What is the return type of the main() method?**

void.

**3. Why is the main() method declared static?**

So that the main method becomes accessible to OS even without object creation

**4. What is the argument of main() method?**

String args[] which is a variable sized array(dynamic array) which is used to collect command line arguments.

**5. Does the order of public and static declaration matter in main() method?**

No

**6. What is meant by orientation?**

Orientation refers to Perspective (or) Point of view (or) the way of we look at the things

### **7. Why should we enclose main() method within a class?**

It is a rule in java that every method should be enclosed within a class. The JVM has to start the application somewhere. As Java does not have a concept of “things outside of a class”, the method has to be inside a class.

### **8. What happens if we do not declare main() as public?**

An error message would be displayed as “Main method not found error”.

### **9. What happens if we do not declare main() as static?**

An error message would be displayed as “Main method is not static error”

### **10. Which command in java is used to invoke the java compiler?**

java

**11. Which command in java is used to invoke JVM?**

java

**12. Why should main() method be present in all java applications?**

Because OS can handover the control to main method and from the main method execution will start.

**13. What are command line arguments?**

The command line argument is an argument passed to a program at the time when we run it. To access the command-line argument inside a java program is easy because they are stored in dynamic array String args[]

**14. What is the use of command line arguments?**

Input can be given to main method through the command line arguments.

**15. How does java collect command line arguments?**

In the form of String arguments.

**16. How many command line arguments can be passed to a java program?**

Any number of Command line arguments can be passed.

**17. What happens if a java program expects command line arguments but is not sent to it?**

An exception would occur and message would be displayed as "Array

index out of bounds Exception”.