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## 120+ Java Interview Questions You Must Prepare In 2022

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A technophile who likes writing about different technologies and spreading knowledge.

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In this Java Interview Questions blog, I am going to list some of the most important Questions and Answers for Java programming which will set you apart in the interview process. Java is used by approx 10 Million developers worldwide to develop applications for 15 Billion devices supporting Java. It is also used to create applications for trending technologies like Big Data to household devices like Mobiles and DTH boxes. And hence today, **Java is used everywhere!** This is the reason why [Java Certification](#) is the most in-demand certification in the programming domain.

Let us start by taking a look at some of the most frequently asked Java interview questions,

- Q1. [Explain JDK, JRE and JVM?](#)
- Q2. [Explain public static void main\(String args\[\]\) in Java](#)
- Q3. [Why Java is platform independent?](#)
- Q4. [Why Java is not 100% Object-oriented?](#)
- Q5. [What are wrapper classes in Java?](#)
- Q6. [What are constructors in Java?](#)
- Q7. [What is singleton class in Java and how can we make a class singleton?](#)
- Q8. [What is the difference between ArrayList and Vector in Java?](#)
- Q9. [What is the difference between equals\(\) and == in Java?](#)
- Q10. [What are the differences between Heap and Stack Memory in Java?](#)

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We have compiled a list of top Java interview questions which are classified into 7 sections, namely:

1. [Basic Java Interview Questions](#)
2. [Java OOPs Interview Questions](#)
3. [JDBC Interview Questions](#)
4. [Spring Interview Questions](#)
5. [Hibernate Interview Questions](#)
6. [JSP Interview Questions](#)
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COMMONLY ASKED JAVA INTERVIEW QUESTIONS. HERE'S A DEFINITIVE LIST OF TOP JAVA INTERVIEW QUESTIONS THAT WILL GUARANTEE A PLACE THROUGH TO THE NEXT LEVEL.

In case you attended any Java interview recently, or have additional questions beyond what we covered, we encourage you to post them in our [QnA Forum](#). Our expert team will get back to you at the earliest.

So let's get started with the first set of basic Java Interview Questions.

## Basic Java Interview Questions for Freshers

### Q1. Explain JDK, JRE and JVM?

JDK	JRE	JVM
It stands for Java Development Kit.	It stands for Java Runtime Environment.	It stands for Java Virtual Machine.
It is the tool necessary to compile, document and package Java programs.	JRE refers to a runtime environment in which Java bytecode can be executed.	It is an abstract machine. It is a specification that provides a run-time environment in which Java bytecode can be executed.
It contains JRE + development tools.	It's an implementation of the JVM which physically exists.	JVM follows three notations: Specification, <b>Implementation</b> , and <b>Runtime Instance</b> .

### JDK vs JRE vs JVM

### Q2. Explain public static void main(String args[]) in Java.

main() in Java is the entry point for any Java program. It is always written as **public static void main(String[] args)**.

- **public:** Public is an access modifier, which is used to specify who can access this method. Public means that this Method will be accessible by any Class.
- **static:** It is a keyword in java which identifies it is class-based. main() is made static in Java so that it can be accessed without creating the instance of a Class. In case, main is not made static then the compiler will throw an error as **main()** is called by the JVM before any objects are made and only static methods can be directly invoked via the class.
- **void:** It is the return type of the method. Void defines the method which will not return any value.
- **main:** It is the name of the method which is searched by JVM as a starting point for an application with a particular signature only. It is the method where the main execution occurs.
- **String args[]:** It is the parameter passed to the main method.

### Q3. Why Java is platform independent?

Java is called platform independent because of its byte codes which can run on any system irrespective of its underlying operating system.

### Q4. Why Java is not 100% Object-oriented?



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