

Q6. What is the benefit of encapsulation in java?

Ans: DataHiding, Increase Flexibility, Reusability, Test Code Easy, security.

Q7. Is java a 100% Object oriented Programming language? If no why ?

Ans : Java is not a fully object-oriented language as it supports primitive data types like int, byte, long, short, etc., which are not objects.

Q8. What are the advantages of abstraction in java?

Ans: 1. It reduces the complexity of viewing things.

1. Avoids code duplication and increases reusability.
2. Helps to increase the security of an application or program as only essential details are provided to the user.
3. It improves the maintainability of the application.
4. It improves the modularity of the application.

Q9. What is an abstraction explained with an Example?

Ans: Abstraction is used to hide background details or any unnecessary implementation about the data so that users only see the required information. It is one of the most important and essential features of object-oriented programming.

Ex: Phone Call, we don't want to know what's the internal process of calling we just dial the number and talk. This is an abstraction.

Q10. What is the final class in Java?

Ans: The final class is a class that is declared with the final keyword. Subclasses can't inherit a final class or a final class cannot be inherited by any subclass. So, we can restrict class inheritance by making use of a final class.