

**Dt : 3/2/2025**

**faq:**

**define Serialization process?**

**=>The process of converting Object-state into binary stream or byte stream is known as  
Serialization process.**

**define DeSerialization process?**

**=>The process of converting binary stream into Object state is known as DeSerialization  
process.**

**Note:**

**=>To perform Serialization and DeSerialization process,the class must be implemented from  
'java.io.Serializable' interface.**

**faq:**

**wt is the advantage of Serialization process?**

**=>Using serialization process,we can make Object-state available in the form of stream and  
which can be moved on the Network from one location to another location.**

**Based on Serializaion process,the Objects in Java are categorized into two types:**

**1.Serializable Objects**

**2.NonSerializable Objects**

**1.Serializable Objects:**

**=>The objects generated from the classes,which are implemented from 'Serializable'**

*interface are known as Serializable Objects.*

**Ex:**

**All CoreJava Objects**

## **2.NonSerializable Objects:**

*=>The objects generated from the classes,which are not implemented from 'Serializable'*

*interface are knoww as NonSerializable Objects.*

**Ex:**

**JDBC Objects**

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**Note:**

*=>According Vendor(Oracle Corporation),the java is available in the following:*

**1.JavaSE**

**2.JavaEE**

**3.JavaME**

### **1.JavaSE:**

*=>JavaSE stands for 'Java Standard Edition' and which is used to develop NonServer Applications,which means Stand-Alone-Applications.*

**Ex:**

**JavaSE includes 'CoreJava+JDBC'**

### **2.JavaEE:**

*=>JavaEE stands for 'Java Enterprise Edition' and which is used to develop Server based*

**Applications.**

**Ex:**

**JavaEE includes**

**Servlet,JSP,WebServices**

### **3.JavaME:**

**=>JavaME stands for 'Java Micro Edition' and which is used to develop Mobile Applications and Machine Application.**

**=>JavaME is also known as 'Mobile Edition' or 'Machine Edition'**

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**faq:**

**define Server-based-Applications?**

**=>The Applications which are executed in server environment are known as Server-based Applications.**

**=>These Server based applications are categorized into two types:**

**1.Web Applications**

**2.Enterprise Applications**

#### **1.Web Applications:**

**=>The Server-based-applications which are constructed using JDBC,Servlet and JSP are known as Web Applications.**

#### **2.Enterprise Applications:**

**=>The applications which are executed in distributed environment and depending on the**

*features like 'Security', 'Load Balancing' and 'Clustering' are known as 'Enterprise applications' or 'Enterprise Distributed Applications'*

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