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Term-2

Java Programming Day-17



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Syllabus Day-17

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- **Brief of Term-2**

- ✓ Anonymous Object
- ✓ Applications of classes and objects
- ✓ Inheritance in Java
- ✓ Abstraction in Java
- ✓ Java Package
- ✓ Access Modifiers



Anonymous Object



- What is an anonymous object?
- Are anonymous objects possible in Java?
- How do you make an anonymous object?



Applications of classes and objects



✓ Static Members

- What is static member function in Java with example?
- What is static member classes?
- Why do we use static class in Java?

✓ Nesting of Methods

- Can we create nested methods in Java?
- What are the types of methods in Java?
- How do methods work in Java?
- Write about NESTING of METHODS in Java?



Inheritance in Java

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- ✓ What is inheritance in Java?
- ✓ What are different types of inheritance?
- ✓ Single Inheritance Concept
- ✓ Multilevel Inheritance Concept
- ✓ Hierarchical Inheritance Concept



Abstraction in Java

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- How can implement Data Abstraction in Java
- Abstract classes and Abstract methods
- Encapsulation vs Data Abstraction
- Advantages of Abstraction



Java Package

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- **Built-in** Java Package
- **Advantage** of Java Package
- **Simple example** of java package
- How to access **package** from **another package**?



Access Modifiers



- ✓ Visibility Control
- ✓ Types of Modifiers in Java
- ✓ Types of Java Access Modifiers
- ✓ **Understanding Java Access Modifiers**
- ✓ Private Access Modifier
- ✓ Default Access Modifier
- ✓ Protected Access Modifier
- ✓ Public Access Modifier

