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| 1. | Simple class having main method with in same class. |
| 2. | Simple class having main method in another class. |
| Objects | |
| 3. | Object initialization through reference. |
| 4. | Object initialization through method. Invoke method to initialize objects. |
| 8. | Object initialization through a constructor |
| 6. | Anonymous object |
| 7. | Java Program to demonstrate the working of a banking-systemWhere we deposit and withdraw amount from our account.Creating an Account class which has deposit () and withdraw () methods |
| Constructors | |
| 9 | Example of constructor overloading |
| 10. | Copy the values of one object into another using Java constructor |
| 11 | Copy the values of one object into another by assigning the objects values to another object. In this case, there is no need to create the constructor. |
| Static | |
| 12 | Example of static variable |
| 14 | Program of counter by static variable |
| 16 | Example of static method |
| This with Constructors | |
| 17 | ‘this’: to refer current class instance variableThe ‘this’ keyword can be used to refer current class instance variable.If there is ambiguity between the instance variables and parameters, ‘this’ keyword resolves the problem of ambiguity.Understanding the problem without this keywordSolution of the above problem by this keyword |
| 18 | this() : to invoke current class constructorCalling default constructor from parameterized constructor |
| 19 | Calling parameterized constructor from default constructor |
| 20 | Real usage of this() constructor call : constructor chaining |
| 21 | this: to pass as an argument in the method |
| Inheritance (is-a relation) | |
| 22 | Single Inheritance Example |
| 24 | Multilevel Inheritance Example |
| 25 | Hierarchical Inheritance Example |
| Aggregation (has-a relation) | |
| 26 | Aggregation in Java |
| Polymorphism | |
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