

**Tutorial Unit 4**  
**PGDCA II Semester**  
**PS02CDCA33: Object Technology**  
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**Short Questions**

1. How a class in java can be extended from a given class?
2. What is use of this key word in java?
3. What is use of super key word in java?
4. What is use of interface?
5. State True or False: An interface is basically a kind of class.
6. State True or False: It is necessary to implement an interface and it is the responsibility of a class which wants to use it.
7. Give an example of interface in java by drawing its UML diagram.
8. Give any two exceptions in java.
9. State True or False: An exception is an abnormal condition that arises in a code sequence at run time.
10. Give 5 keywords that java exception handling use.
11. Write general form of exception handling in java.
12. State True or False: System generated exception are thrown automatically by the java run time system.
13. State True or False: Any code that absolutely must be executed before a method returns, is put in finally block.
14. State True or False: Program statements which you'd like to monitor are enclosed in try (and catch) block.
15. State True or False: java supports multilevel inheritance with extends keyword.
16. State True or False: java supports multiple inheritance by implementing an interface.

### **Big Questions**

- 17.** Define a class of Room with necessary variables and method. Use the Room class to extend Bedroom. Also write a constructor and a method for the Bedroom class.

**OR**

- 18.** Show inheritance in java by taking an example of your choice.
- 19.** Write a short note on java interface.
- 20.** Develop a java program showing exception handling in it. Show use of Arithmetic Exception in it.