

UNIT-I:
OBJECT ORIENTED THINKING AND JAVA BASICS

Multiple Choice Questions

- 1) Which of the following is not an OOPS concept in Java? []
a) Polymorphism
b) Inheritance
c) Compilation
d) Encapsulation
- 2) Which environment variable is used to set the java path? []
a) MAVEN Path
b) Java PATH
c) JAVA
d) JAVA_HOME
- 3) What is the extension of java code files? []
a) .js
b) .txt
c) .class
d) .java
- 4) What is the extension of compiled java classes? []
a) .txt
b) .js
c) .class
d) .java
- 5) Which of the following is a Super class of every class in Java? []
a) Array List
b) Abstract class
c) Object class
d) String
- 6) Which one of the following is not an access modifier? []
a) Protected
b) Void
c) Public
d) Private
- 7) What is the return type of Constructors? []
a) int
b) float
c) void
d) none of the mentioned
- 8) Which of the following is a garbage collection technique? []
a) Cleanup model
b) Mark and sweep model
c) Space management model
d) Sweep model

Fill in the blanks

- 1 The mechanism of binding data with the code that manipulates it is known as -----
- 2 URL stands for -----.
- 3 The output of the Java compiler is executed by the -----.
- 4 ----- is the java compiler.

Match the following

1 Match the following.

- | | |
|------------------|---|
| a) Array | 1) Acquiring properties from base class |
| b) Inheritance | 2) More than one form |
| c) Polymorphism | 3) Non-primitive data type |
| d) Encapsulation | 4) Wrapping up of data |

2 Match the following.

- | | |
|--------------|------------------|
| a) 1Megabyte | 1) 1024 gigabyte |
| b) 1Gigabyte | 2) 1024 kilobyte |
| c) 1Terabyte | 3) 1024 terabyte |
| d) 1Petabyte | 4) 1024 megabyte |

Short Answer Questions

1. Explain about Features of Java.
2. Explain about OOPs concepts.
3. Write short notes on “new” , “this” , “super” , “static” , “final” keywords in Java?
4. Compare the similarities between Method overloading and Method Overriding
5. Define Array and types of arrays in Java?
6. Develop a java program on single inheritance.
7. Write a java program to find the Factorial of a given number by using Recursion
8. Explain Scope and Life time of variables
9. Explain about Operators in java