

JAVA UNIT WISE QUESTIONS

Questions List
List various features of Java programming language
Discuss about JVM
Discuss about various datatypes associated with java language
What is type conversion? How to convert from one datatype to another datatype (type conversion and casting)
Discuss about single and multidimensional arrays
Write the syntax of a class and an object. Given an example
Programs on classes and methods as we have done in lab
List types of constructors with syntax and example
What are the properties of a constructors
Method overloading with example
this keyword with an example
How to use static keyword in java with example
Why do we use final keyword in Java
List and explain various methods of string class (Learn the example also)- https://www.javatpoint.com/java-string
UNIT II
Prepare the concept, syntax and example to each of the topic. Donot leave any concept.
List and explain various types of inheritance in java with example
Discuss about method overriding
Differentiate between method overloading and method overriding
Differentiate between abstract class and interface
Discuss the concept of interfaces with an example
What are packages? Explain
Discuss about exception handling
How to create user defined exception
What is use of throws keyword
Differentiate between throw and throws keyword
Dynamic method dispatch
Unit III
Explain about assert statement with usage and example
Discuss about Thread Life cycle
Write a program to create multiple threads using the Thread class
Write a program to create multiple threads using runnable interfaces
What are thread priorities. Write a program to implement priorities to a thread
Disucss about various collection classes and interfaces
Create a program to insert and delete elements in a collection class using ArrayList, LinkedList, TreeSet, HashSet.

Unit IV
Discuss about the importance of lambda expressions in java
Arraylist conversion to hashmap using lambda expression
Discuss about intermediate and terminal operations exist in java stream
Program for creating data source using an array
Discuss about Reduction operations
Discuss about Method references
Explain iterator and stream