JAVA UNIT WISE QUESTIONS

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| 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 dataype (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 |
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| 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 |
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| 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 |