

## ADJ-IMP and SIMP Questions-22

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### Module-1-5 SIMP questions

#### Module-1

1. What are enumerations, explain the following with an example (i) explain values() and valueOf() methods (ii) ordinal() (iii) compareTo() (iv) equals()
2. Explain the following with an example (i) Autoboxing (ii) Unboxing (iii) Boxing
3. What are annotations, explain the following wrt annotations (i) various retention policies for annotations in java (ii) Exceptions and methods of annotations (iii) @Override, @Retention, @Inherited
4. Explain the different numeric type wrappers with examples.
5. Explain how to obtain Annotations at Run time by use of reflection

#### Module-2

1. What is a collection framework? Explain the methods defined by the collection interface
2. WAP to demonstrate the list interface using the ArrayList class
3. Explain any four legacy classes of java's collector framework?
4. Demonstrate a linked list for collections with an example
5. Explain the working of Binary search, with an algorithm and a program as an example
6. List the recent changes made to the collection in collection frameworks and explain

#### Module-3

1. Explain the different types of string constructors with example
2. What are the methods to modify a string with an example, explain any 6
3. Explain string buffer in detail
4. Explain ExString Builder and the following functions
  - a. Capacity
  - b. Length
5. Write a program to remove duplicate characters in a given string and display a new string without any duplicates

## Module-4

1. Explain the lifecycle of a servlet
2. Explain different JSP tags with a program to demonstrate all tags
3. What are cookies, explain how cookies are handled in JSP. Write a program to create with the name “Kishor GR” and cookie value “XYZ”, also display stored cookies on the webpage
4. What is the JSP tag? Explain different types of JSP tags
5. Explain the role of the tomcat server, explain different steps in configuring for the development of servlet program execution
6. Explain how to use the JavaScript sessionStorage to store data only for a session
7. List and explain core classes and interfaces in javax.servlet package

## Module-5

1. List and explain various JDBC driver types, also explain the types of exceptions in JDBC
2. Explain the basic steps involved in database connection
3. Write a Java program to execute a database transaction
4. Explain
  - (i) Callable statements
  - (ii) Prepared statements
  - (iii) Types of result sets
5. Explain various statement objects in JDBC
6. Write a note on database metadata object methods and resultset metadata object methods