



Q.1. Answer the following short questions:

(6x5=30)

- 1. Enlist the Declarative Transaction types?**
- 2. Define ACID Properties?**
- 3. Write down the life cycle of Java servlets?**
- 4. Explain MVC architecture with examples.**
- 5. How send redirection differs from request dispatcher?**
- 6. What is the purpose of a transient variable?**

Q.2. Answer the following questions.

(3x10=30)

- 1. Write a program to find and display the duplicate characters a in a string.**
- 2. Write a JSP page which will dynamically create a table of Students names with their ID saved in the database. (Table: Students (ID, Name))**
- 3. Write a code using threading in which thread takes a positive integer as an input and checks whether it's a prime number or not.**