**Distributed Systems Lab 6**

6.1 Create CORBA based server-client application.

6.2. Design XML Schema and XML instance document.

**Explanation:**

6.1

Step 1. Define the IDL (Interface Definition Language): In CORBA, the IDL is used to define the interfaces of objects that will be accessible remotely. You'll need to create an IDL file that describes the methods and attributes of the remote object.

Step 2. Generate Java Stubs and Skeletons: Use the IDL compiler to generate Java stubs and skeletons from your IDL file. The stubs are used by the client to make remote calls, and the skeletons are used on the server side to receive and process those calls. You can use the idlj tool to generate the Java code:

Step 3. Implement the Server: Write a server implementation that provides the functionality specified in your IDL. This class should extend the generated skeleton and implement the methods defined in the IDL interface.

Step 4. Create and Initialize the ORB: The Object Request Broker (ORB) is responsible for handling remote method invocations. Initialize the ORB in your server and client applications.

Step 5. Create the Client: Write a client application to connect to the server and make remote method calls.

Step 6. Compile and Run: Compile both the server and client applications and then run them.

You'll need to run the server first and keep it running. Then, you can run the client, which will connect to the server and invoke the say.