Tutorial 3 - CORBA Date Server

Make use of the skeleton code provided on Moodle.

1. Write a distributed application that has the following properties:
   - Client on execution can read a file called IOR for an object reference to the DateInterface.
   - The client shall request execution of getDate(), which is implemented in the DateInterfaceServant.
   - The client should print the result of the method execution, this should be the current date which is returned by the server.
2. The DateInterfaceServant shall implement the getDateMethod() that reads the current date using the Java Date class. You will need to import java.util.Date.

Specific Tasks

1. Write an idl file (Date.idl) consisting of the appropriate operation.
   - The following terminal command generates Java Client and Server stubs as proxies for the server and client in a folder called DateApp.

     ```
     $ idlj -fall -oldImplBase Date.idl
     ```

   - Take a look through the content of this newly generated folder
2. Write a servant (DateInterfaceServant.java) as outlined above
3. Write a server (DateServer.java) process that
   - Creates and initializes the ORB.
   - Instantiates the above servant and registers it with the ORB.
   - Converts the object reference to a string and stores this string to the "IOR" file.
   - Waits for requests from a client.
4. Write a client (DateClient.java) capable of meeting the requirements as set out above

- Creates and initializes the ORB.
- Reads the content of the "IOR" file in a String variable
- Converts the string to an object reference of DateInterface type.
- Through that object, call getDate() and prints the result.

5. Compile the code, run the server, run the client and demonstrate the Date application