

Part 1-Database

1. Create a database and name it 'db_test'. Open the database and create table 'User' with column 'id','name','age', 'phone_number', 'address. 'Id' and 'age' should be of integer data-type and other of varchar.
2. Write an insert query to insert your details into database.
3. Write an insert query to insert data into database by reading values from GUI.
4. Write query to fetch all data from database.

Part 2- Creating JDBC connection

1. Create a class named "DatabaseCRUD.java" (not compulsory). Write two methods named "insertIntoDatabase" and "getFromDatabase" to insert into database and fetch from database. Set connection strings as below:
`String dbURL = "jdbc:mysql://localhost:3306/test_db";`
`String username = "root";`
`String password = "YOURPASSWORD";`
In the functions write necessary codes to insert into database and get from database.
2. Assume database name as "College" and table name "Sudent". A table has student has the field (s_id, name, address, gender, program). Write a JDBC program to insert record (1, Sam,Kathmandu,male,CSIT) into database. After insertion display the data into console. Update program from CSIT to BBA. Again display the record. And at last delete the information where id=1 and again display the information.