1. Demonstrate Connection, Statement, and ResultSet in JDBC

```
package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;


public class demo1 {

	public static void main(String[] args) throws ClassNotFoundException, SQLException {

		String dbUrl = "jdbc:mysql://localhost:3306/animated_movies";
		String username = "root";
		String password = "root";
		String query = "Select * from movies;";

		Class.forName("com.mysql.cj.jdbc.Driver");

		Connection con = DriverManager.getConnection(dbUrl,username,password);
		Statement stmt = con.createStatement();
		ResultSet rs = stmt.executeQuery(query);

		while(rs.next()) {
			System.out.print("Title:" +rs.getString("title") +"\t");
			System.out.print("Genre:" +rs.getString("genere")+"\t");
			System.out.print("Director:" +rs.getString("director")+"\t");
```

```
                System.out.println("Release Year:"+rs.getString("release_year"));

            }
        }

}
```

2.Demonstrate stored procedures and exception handling in JDBC.

```
package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class demo2 {
    public static void main(String[] args) throws ClassNotFoundException, SQLException {
        String dbUrl = "jdbc:mysql://localhost:3306/animated_movies";//connection String
        String username = "root";
        String password = "root";
        String query = "Call SelectAllMovies();";

Class.forName("com.mysql.cj.jdbc.Driver");

        Connection con =
DriverManager.getConnection(dbUrl,username,password);//connecting to db
        Statement stmt = con.createStatement();//exceute the query
        ResultSet rs = stmt.executeQuery(query);//save the result after executing the query
```

```
                while(rs.next()) {
                        System.out.print("Title: " + rs.getString("title") +"\t");
                        System.out.print("Genre:" +rs.getString("genere")+"\t");
                        System.out.print("Director:" +rs.getString("director")+"\t");
                        System.out.println("Release Year:"+rs.getString("release_year"));

                }
        }

}
```

3. Demonstrate how to create, select, and drop a database in JDBC.

```
package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo3 {
        public static void main(String[] args) throws SQLException {
                String dbUrl = "jdbc:mysql://localhost:3306";
                String username = "root";
                String password = "root";
                String query = "Create Database action_movies;";
                Connection con = null;
                try {
      Class.forName("com.mysql.cj.jdbc.Driver");
                con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
                Statement stmt = con.createStatement();
```

```
                stmt.execute(query);


                }
                catch(Exception e) {
                        System.out.println(e.getMessage());
                }
                finally {
                        con.close();
                }
        }

}



package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo4 {
        public static void main(String[] args) throws SQLException {
                String dbUrl = "jdbc:mysql://localhost:3306";
                String username = "root";
                String password = "root";
                String query = "USE  action_movies;";
                Connection con = null;
                try {
      Class.forName("com.mysql.cj.jdbc.Driver");
                con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
```

```
                Statement stmt = con.createStatement();
                stmt.execute(query);

                }
                catch(Exception e) {
                        System.out.println(e.getMessage());
                }
                finally {
                        con.close();
                }
        }

}
```

```
package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo5 {

        public static void main(String[] args) throws SQLException {
                String dbUrl = "jdbc:mysql://localhost:3306";
                String username = "root";
                String password = "root";
                String query = "Drop Database action_movies;";
                Connection con = null;
                try {
    Class.forName("com.mysql.cj.jdbc.Driver");
```

```
			con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
			Statement stmt = con.createStatement();
			stmt.execute(query);

			}
			catch(Exception e) {
				System.out.println(e.getMessage());
			}
			finally {
				con.close();
			}
		}

}
```

5. Demonstrate database record handling using JDBC.

```
package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo6 {
	public static void main(String[] args) throws SQLException {
			String dbUrl = "jdbc:mysql://localhost:3306/animated_movies";
			String username = "root";
			String password = "root";
			String query ="INSERT INTO movies VALUE(\"Finding Nemo\",\"Comedy-
Drama\",\"Andrew Stanson\",2003);";
```

```
                Connection con = null;
                try {
        Class.forName("com.mysql.cj.jdbc.Driver");
                con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
                Statement stmt = con.createStatement();
                stmt.execute(query);

                }
                catch(Exception e) {
                        System.out.println(e.getMessage());
                }
                finally {
                        con.close();
                }
            }

}

package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo7 {
        public static void main(String[] args) throws SQLException {
                String dbUrl = "jdbc:mysql://localhost:3306/animated_movies";
                String username = "root";
                String password = "root";
```

```
		String query ="UPDATE movies SET genere ='Comedy Drama' where title = 'Finding
Nemo';";
		Connection con = null;
		try {
	Class.forName("com.mysql.cj.jdbc.Driver");
		con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
		Statement stmt = con.createStatement();
		stmt.execute(query);

		}
		catch(Exception e) {
			System.out.println(e.getMessage());
		}
		finally {
			con.close();
		}
	}

}



package jdbcDemo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class demo8 {
```

```
	public static void main(String[] args) throws SQLException {
		String dbUrl = "jdbc:mysql://localhost:3306/animated_movies";
		String username = "root";
		String password = "root";
		String query ="DELETE from movies where title = 'Finding Nemo';";
		Connection con = null;
		try {
	Class.forName("com.mysql.cj.jdbc.Driver");
		con = DriverManager.getConnection(dbUrl,username,password);//connecting to db
		Statement stmt = con.createStatement();
		stmt.execute(query);

		}
		catch(Exception e) {
			System.out.println(e.getMessage());
		}
		finally {
			con.close();
		}
	}

}
```