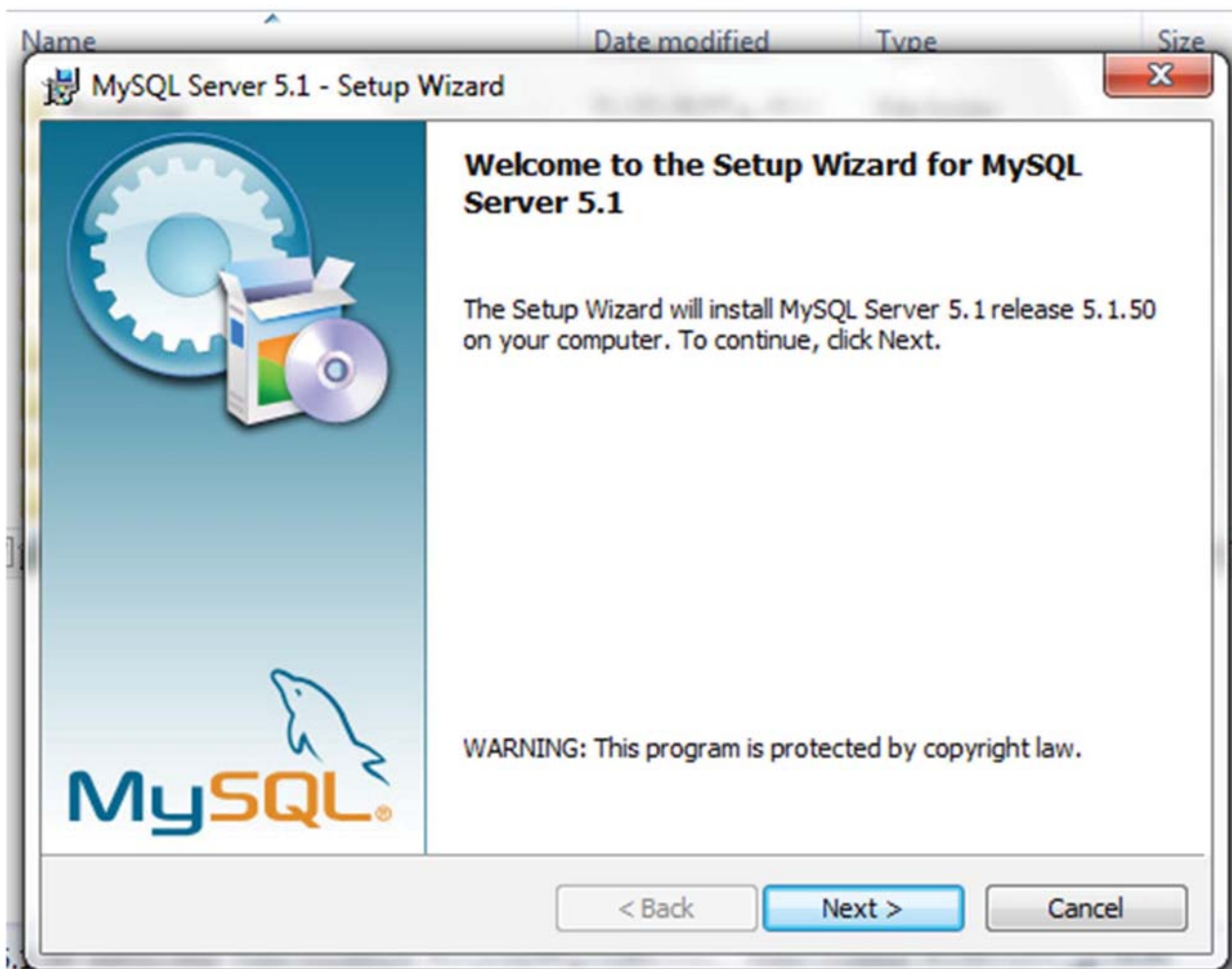


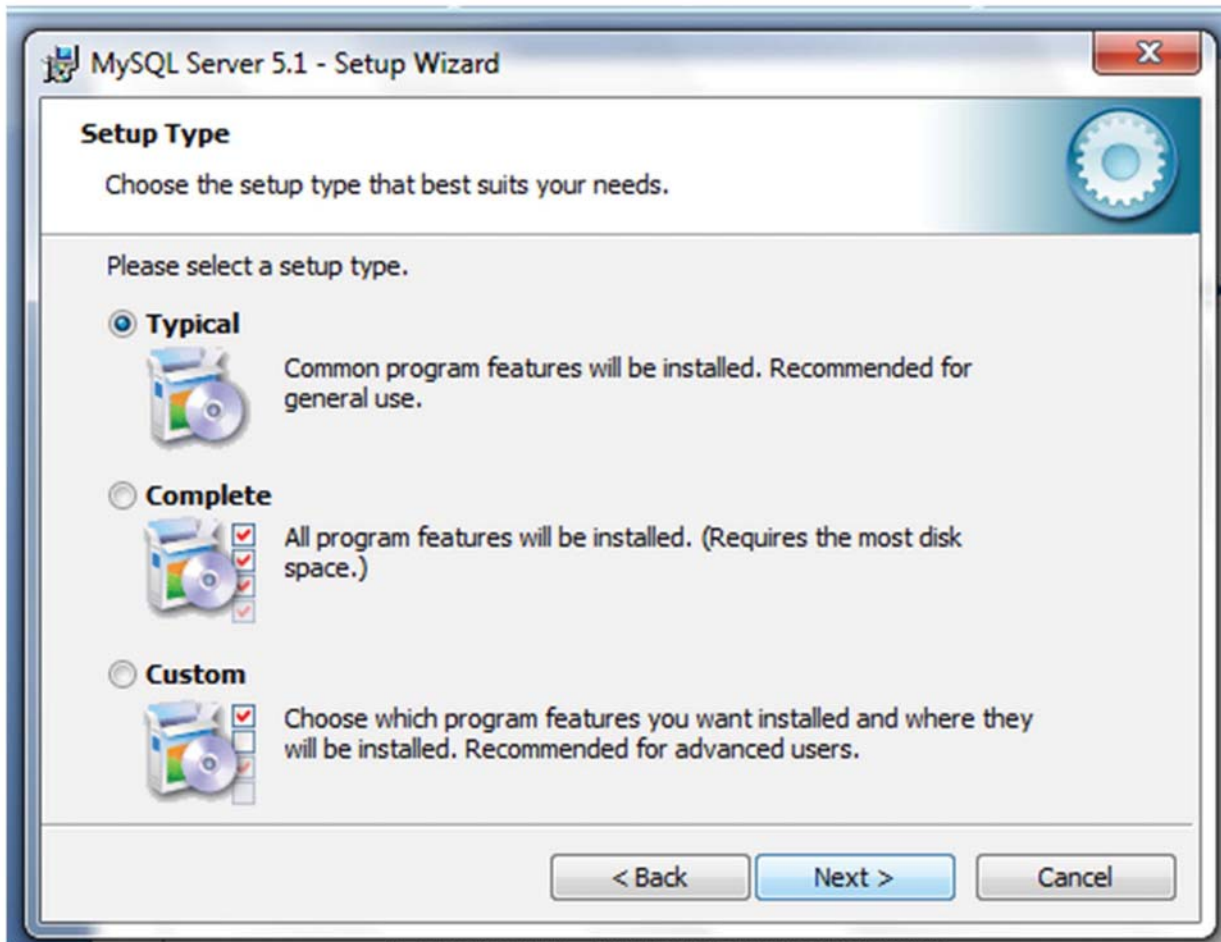
Session (03)

MySql Database, & its Interfacing with Java

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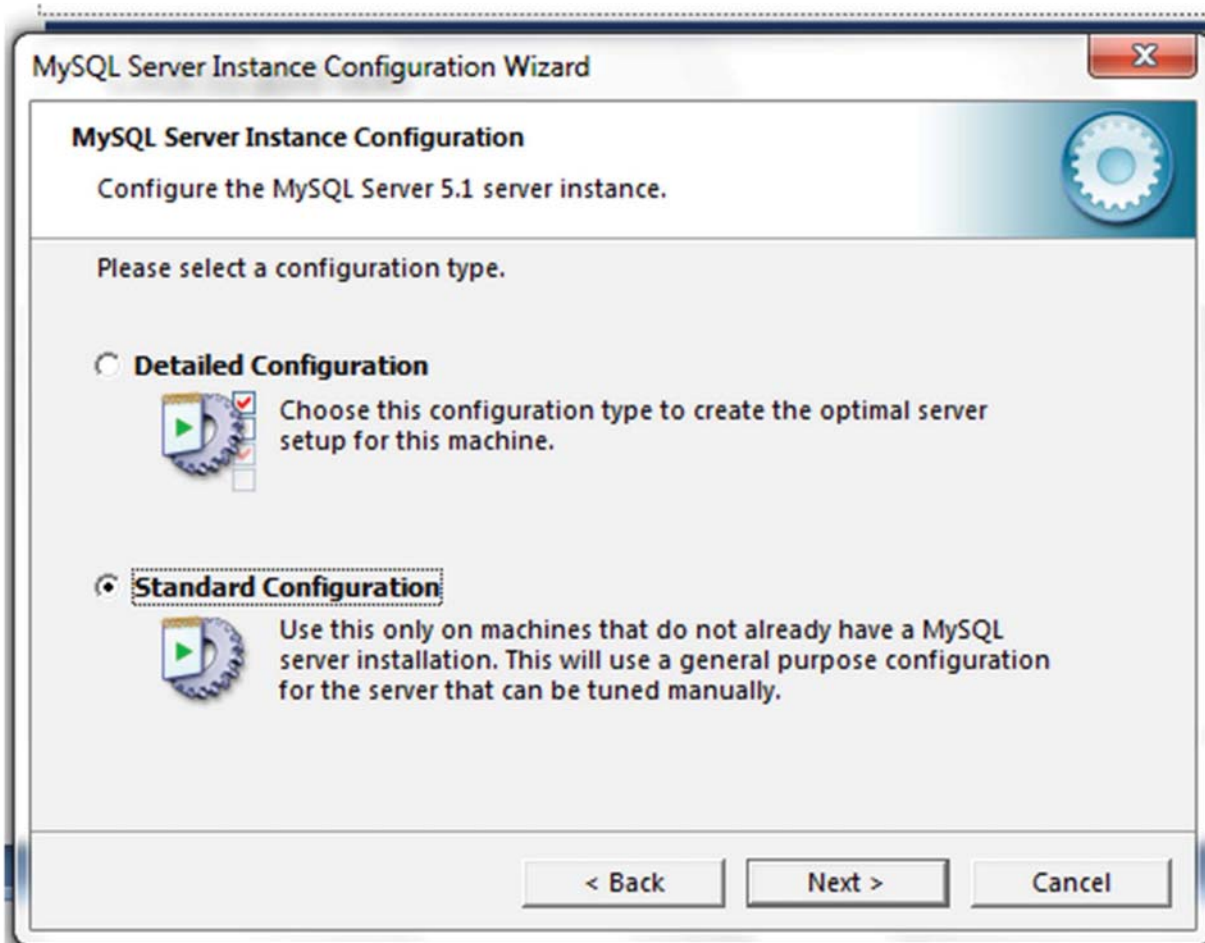




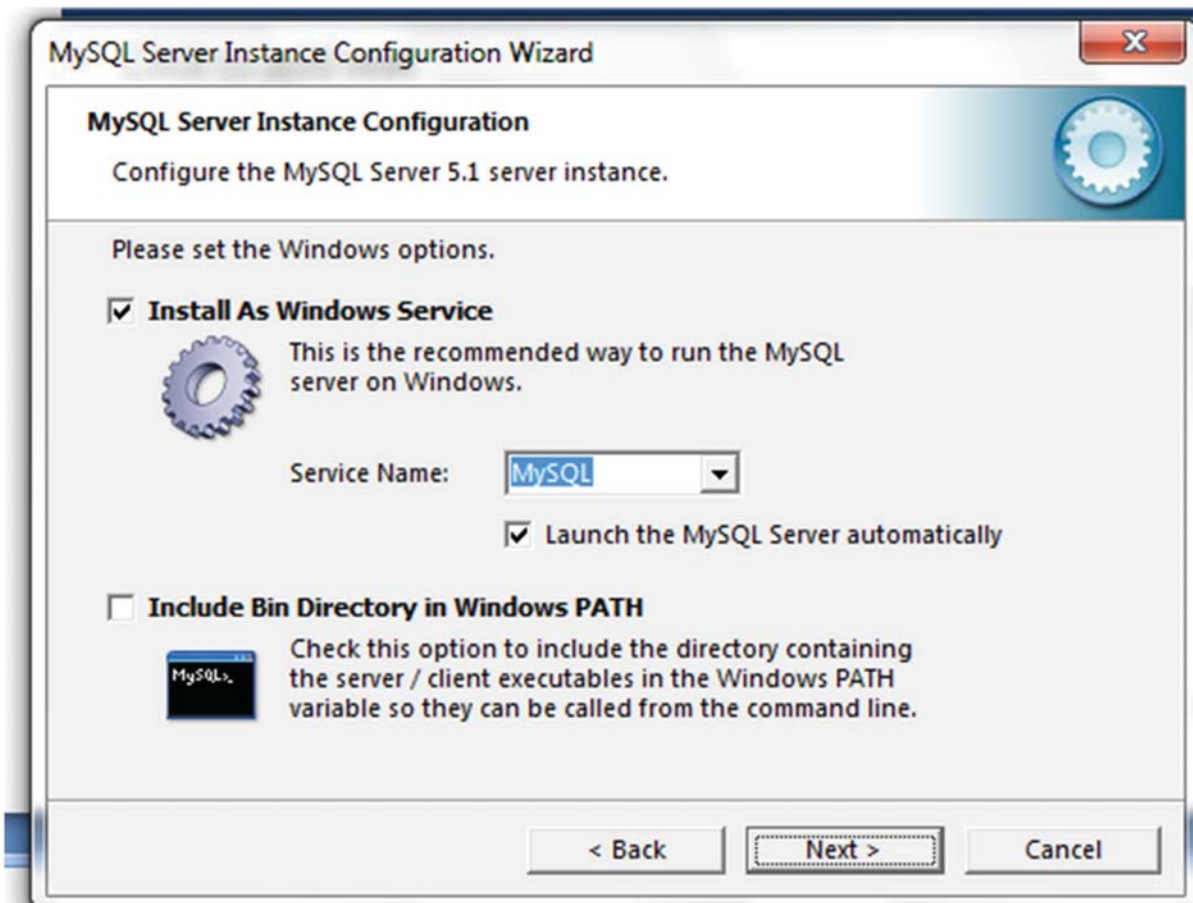
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MySQL Server Instance Configuration Wizard

MySQL Server Instance Configuration

Configure the MySQL Server 5.1 server instance.

Please set the security options.

☒ **Modify Security Settings**

 New root password: Enter the root password.

Confirm: Retype the password.

☒ **Enable root access from remote machines**

☐ **Create An Anonymous Account**

 This option will create an anonymous account on this server. Please note that this can lead to an insecure system.

< Back Next > Cancel

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MySQL Server Instance Configuration Wizard

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Configure the MySQL Server 5.1 server instance.

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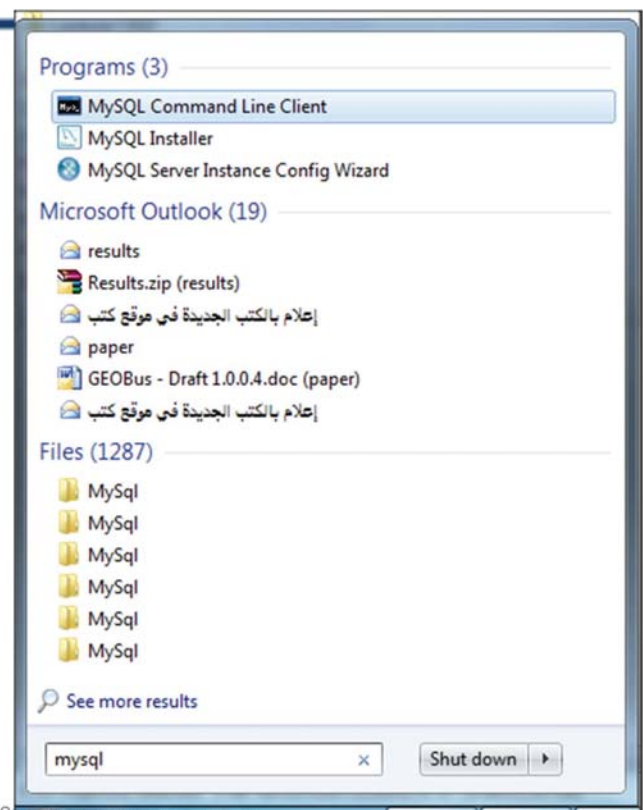
 This option will create an anonymous account on this server. Please note that this can lead to an insecure system.

< Back Next > Cancel

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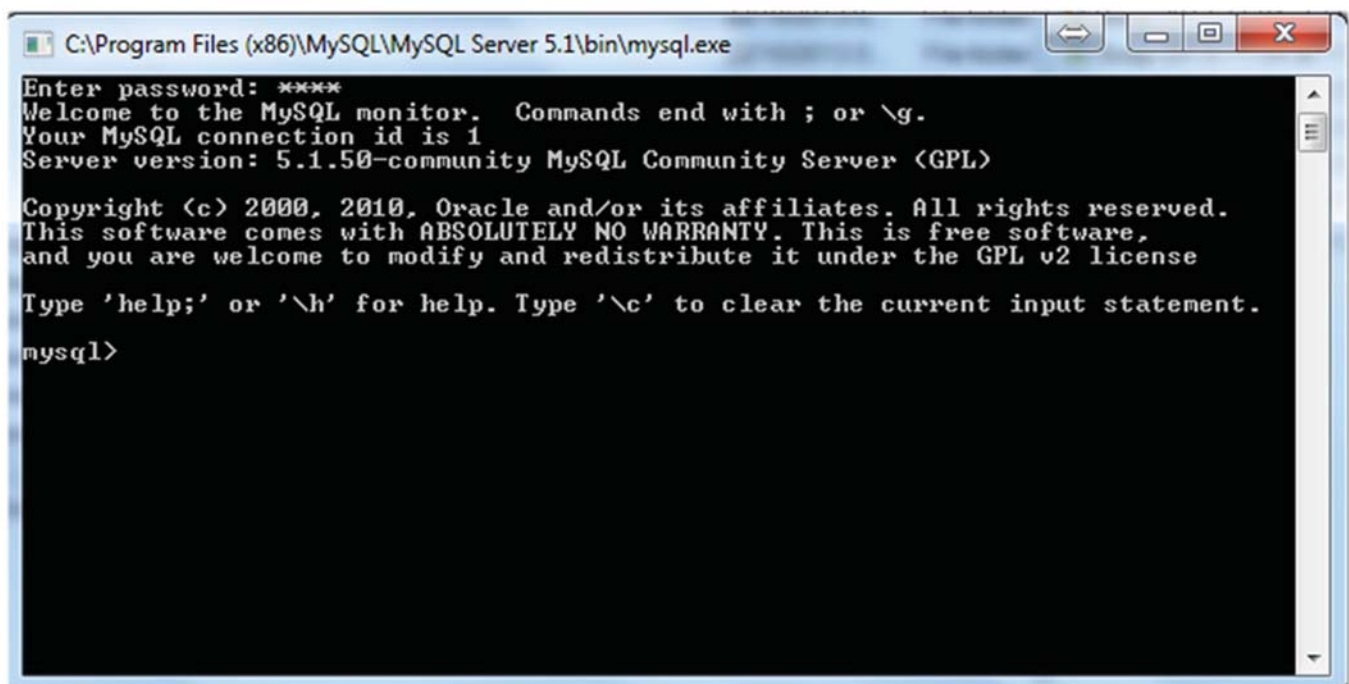
Create database and table

- Open mysql command line



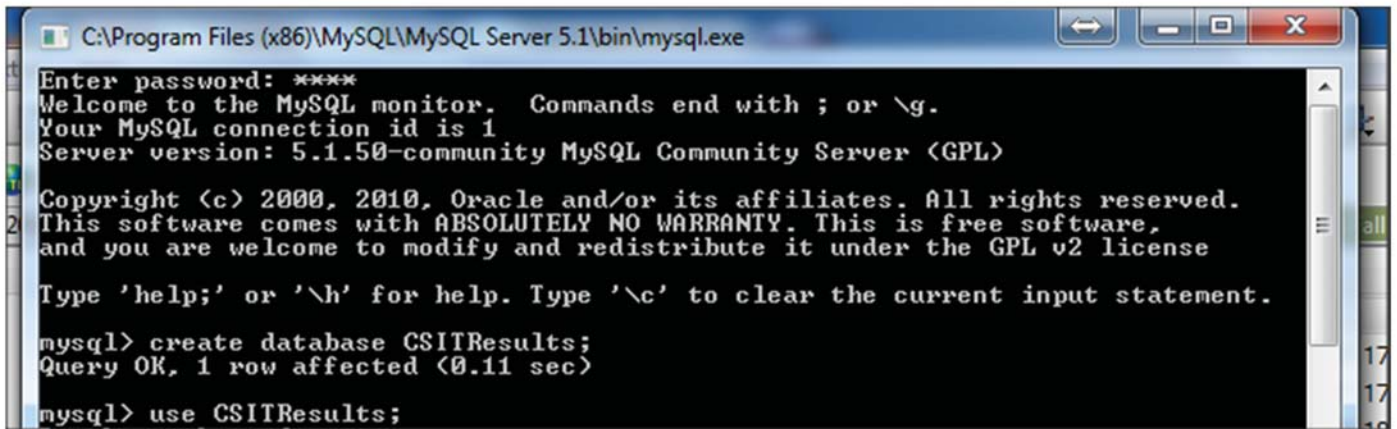
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- MySql command line



in CS I

- Create database



A screenshot of a Windows command prompt window titled "C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe". The prompt shows the MySQL command-line interface. It starts with "Enter password: ****", followed by a welcome message: "Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 1. Server version: 5.1.50-community MySQL Community Server (GPL)". It then displays copyright information and instructions. The user enters "mysql> create database CSITResults;" and receives the response "Query OK, 1 row affected (0.11 sec)". The user then enters "mysql> use CSITResults;".

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.1.50-community MySQL Community Server (GPL)

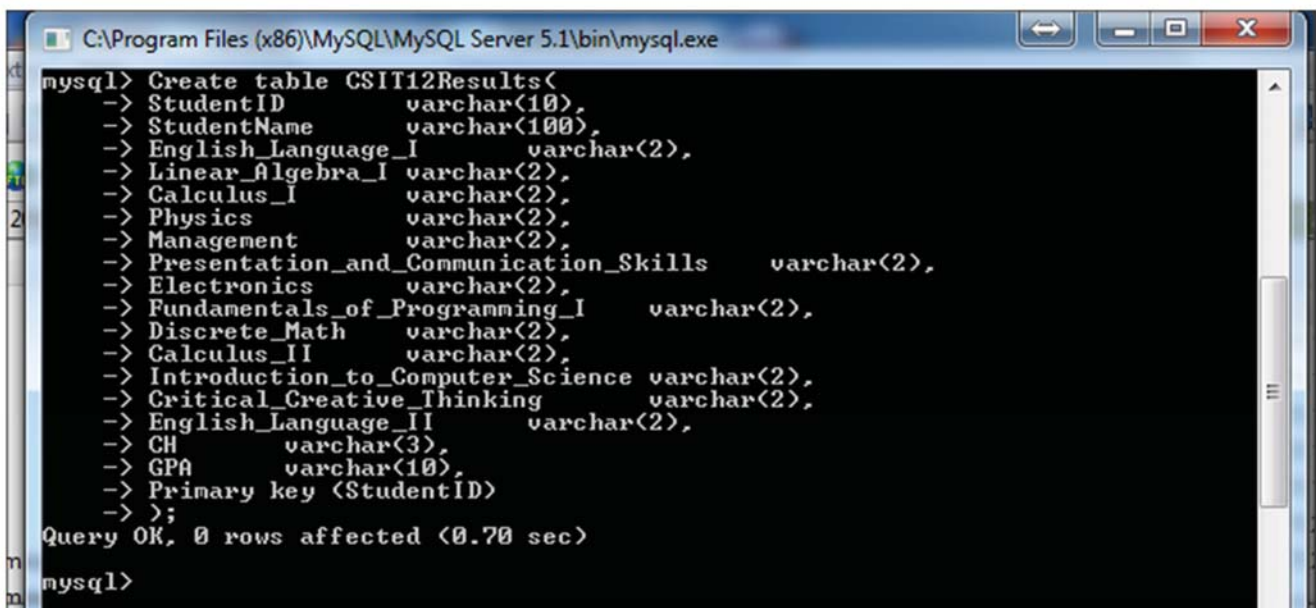
Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.
This software comes with ABSOLUTELY NO WARRANTY. This is free software,
and you are welcome to modify and redistribute it under the GPL v2 license

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database CSITResults;
Query OK, 1 row affected (0.11 sec)

mysql> use CSITResults;
```

- Create table



A screenshot of a Windows command prompt window titled "C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe". The prompt shows the MySQL command-line interface. The user enters "mysql> Create table CSIT12Results(" and then lists various columns with their data types: "StudentID varchar(10), StudentName varchar(100), English_Language_I varchar(2), Linear_Algebra_I varchar(2), Calculus_I varchar(2), Physics varchar(2), Management varchar(2), Presentation_and_Communication_Skills varchar(2), Electronics varchar(2), Fundamentals_of_Programming_I varchar(2), Discrete_Math varchar(2), Calculus_II varchar(2), Introduction_to_Computer_Science varchar(2), Critical_Creative_Thinking varchar(2), English_Language_II varchar(2), CH varchar(3), GPA varchar(10), and Primary key (StudentID). The command ends with a semicolon. The response is "Query OK, 0 rows affected (0.70 sec)". The prompt then shows "mysql>".

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
mysql> Create table CSIT12Results(
  -> StudentID          varchar(10),
  -> StudentName        varchar(100),
  -> English_Language_I  varchar(2),
  -> Linear_Algebra_I    varchar(2),
  -> Calculus_I          varchar(2),
  -> Physics             varchar(2),
  -> Management          varchar(2),
  -> Presentation_and_Communication_Skills  varchar(2),
  -> Electronics         varchar(2),
  -> Fundamentals_of_Programming_I          varchar(2),
  -> Discrete_Math        varchar(2),
  -> Calculus_II          varchar(2),
  -> Introduction_to_Computer_Science      varchar(2),
  -> Critical_Creative_Thinking             varchar(2),
  -> English_Language_II   varchar(2),
  -> CH                    varchar(3),
  -> GPA                   varchar(10),
  -> Primary key (StudentID)
  -> );
Query OK, 0 rows affected (0.70 sec)

mysql>
```

- Import data

```
mysql> LOAD DATA LOCAL INFILE 'D:\\ACU Briefcase\\Courses\\Fall 2013\\Practical Applications in CS I\\Session 03\\CSIT12Results.csv' INTO TABLE CSIT12Results  
-> FIELDS TERMINATED BY ';' LINES TERMINATED BY '\n';  
Query OK, 98 rows affected, 68 warnings (0.14 sec)  
Records: 98 Deleted: 0 Skipped: 0 Warnings: 68  
mysql>
```

Create GUI project

New Java Application

Steps

1. Choose Project
2. **Name and Location**

Name and Location

Project Name:

Project Location:

Project Folder:

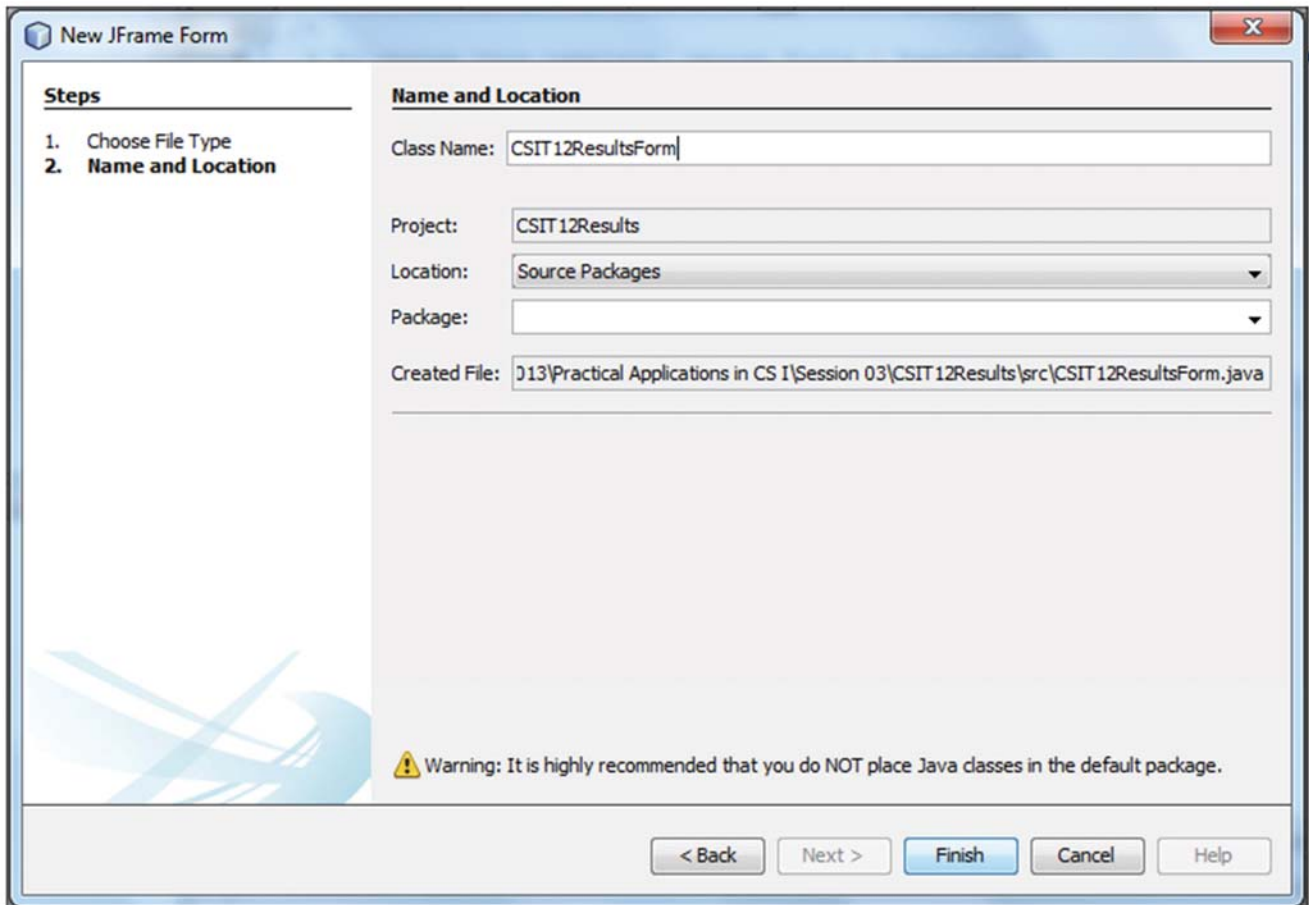
☐ Use Dedicated Folder for Storing Libraries

Libraries Folder:

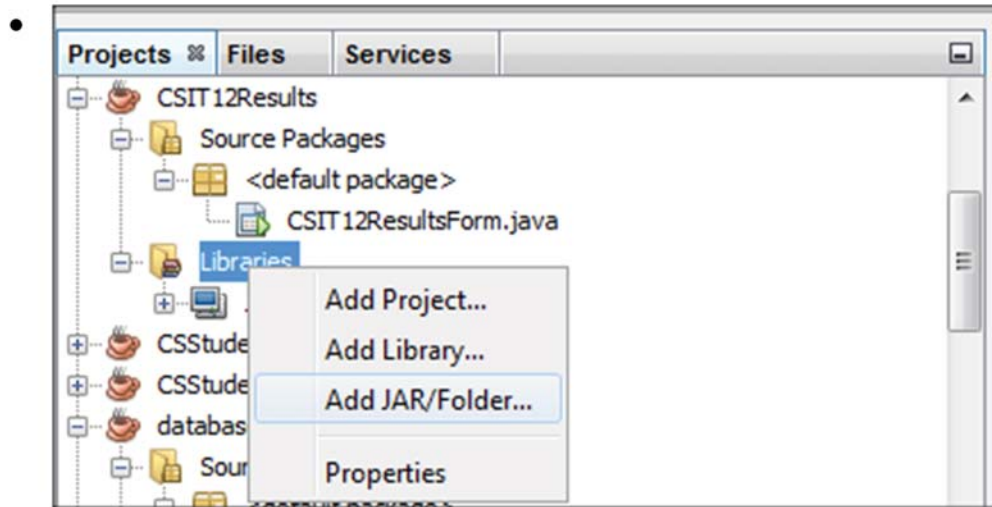
Different users and projects can share the same compilation libraries (see Help for details).

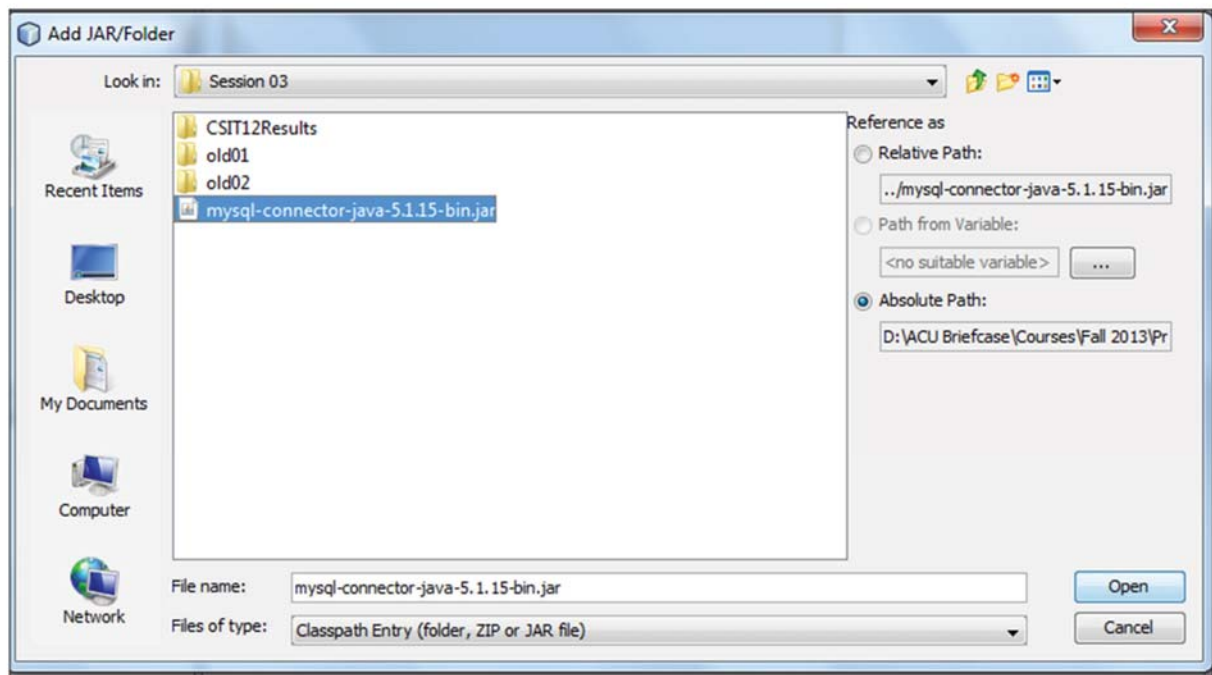
☐ Create Main Class

Add form



Import mysql connector

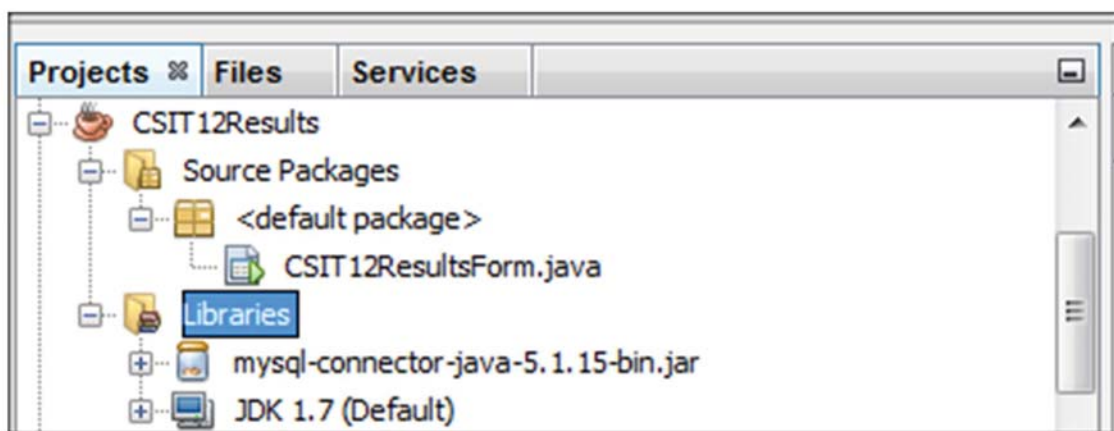




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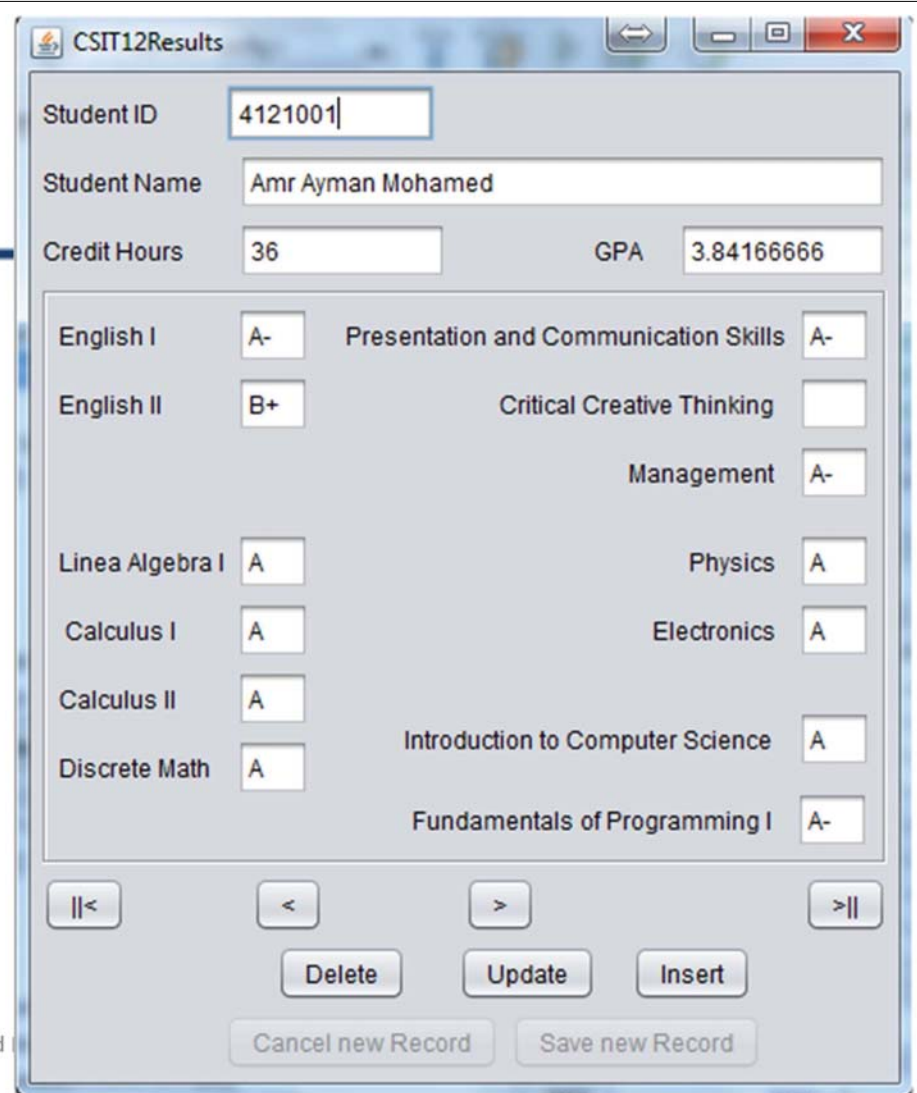
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- Build GUI



CSIT12Results

Student ID: 4121001

Student Name: Amr Ayman Mohamed

Credit Hours: 36 GPA: 3.84166666

English I	A-	Presentation and Communication Skills	A-
English II	B+	Critical Creative Thinking	
		Management	A-
Linea Algebra I	A	Physics	A
Calculus I	A	Electronics	A
Calculus II	A		
Discrete Math	A	Introduction to Computer Science	A
		Fundamentals of Programming I	A-

Navigation: ||< < > >||

Action: Delete Update Insert

Status: Cancel new Record Save new Record

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Dr. Ahmed

Check lab manual for code

Thanks,..
See you next week (ISA),...