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Program Finder Database Application

Program Flow:

Project Name: → Database

Source folder Name: → src

Package Name: → Lab5

Two classes: → Connect.java

→ Read.java
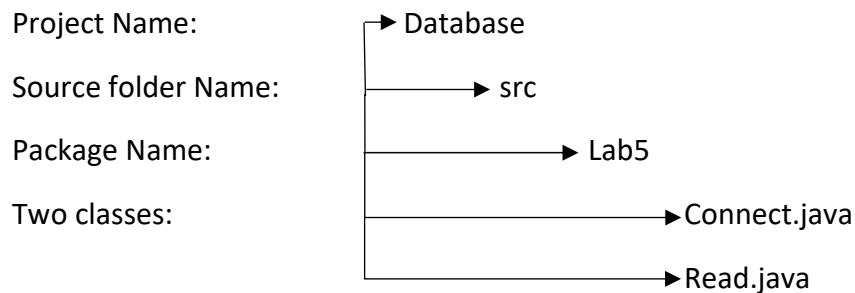
- *Connect*: Contains the connect(), menu() and main() method.
- *Read*: Contains the readData() method in which sql statements are used to retrieve data from database.

Steps to Run the code:

1. Open the command prompt and change the directory where the src folder is located.
2. Compile the code by using below commands:
   a. C:\{path}\Database\src>javac -cp . Lab5/Connect.java
   b. C:\{path}\Database\src>javac -cp . Lab5/Read.java

   This will create the Connect.class and Read.class files in path C:\{path}\eclipse-workspace\Database\src\Lab5

3. Now run the code by using below commands:
   a. C:\{path}\Database\src>java Lab5.Connect

The code will now show an output like below:

```
Microsoft Windows [Version 10.0.17763.864]
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C:\Users\gurleen>cd C:\Users\gurleen\eclipse-workspace\Database\src\

C:\Users\gurleen\eclipse-workspace\Database\src>java Lab5.Connect
Opened database successfully.

>>>Welcome to the program finder database application:

>to see the Online and Universities options available for the program mentioned by an Applicant of your choice, type 1
>to see the number of Online options available for the program mentioned by an Applicant of your choice, type 2
>to see the number of Universities offering the program mentioned by an Applicant of your choice, type 3
>to see Universities offering the mentioned program in the same countries as an Applicant's of your choice, type 4
>to see the contact information for the universities for the program mentioned by an Applicant of your choice, type 5
>to see the program fee for the program mentioned by an Applicant of your choice, type 6
>to see the time duration for the program mentioned by an Applicant of your choice, type 7
>to see the books available for the program mentioned by an Applicant of your choice, type 8
>to see the Scholarships and their eligibility criteria offered by McGill University, type 9
>to see the number of other applicants interested  in the program mentioned by an Applicant of your choice, type 10
>to exit, type e
```

Cautions:

You have 11 options to choose from. Each option may or may not ask for the applicant id.

As each table is has no more than 10 records, the output will be shown if the applicant id is entered between 1-10. If applicant id entered is not a digit between 1-10 then no record is fetched, and code goes to the main menu.

You can exit the application by choosing the last option i.e typing an "e" or "E".