0668818

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Screen Shots of the Application:

```
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
```

For Query 1:

```
>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
1
Enter the Applicant Id(between 1 to 10):
5
The University name offering program for Applicant Id 5 : Trent University
The University name offering program for Applicant Id 5 : Simon Fraser University
The University name offering program for Applicant Id 5 : McGill University
The University name offering program for Applicant Id 5 : University of Toronto
The Online Platform name offering program for Applicant Id 5 : Lynda.com
The Online Platform name offering program for Applicant Id 5 : iversity
The Online Platform name offering program for Applicant Id 5 : Coursera
```

For Query 2:

```
>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
2
Enter the Applicant Id(between 1 to 10):
8
The number of Online options available for the program mentioned by an Applicant Id 8 : 2
```

For Query 3:

```
>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
3
Enter the Applicant Id(between 1 to 10):
9
The number of Universities offering the program mentioned by an Applicant Id 9 : 3
```

For Query 4:

```
>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
4
Enter the Applicant Id(between 1 to 10):
3
The University name offering the mentioned program in the same countries as 3 Applicant's: Western University
The University name offering the mentioned program in the same countries as 3 Applicant's: University of Waterloo
```

For Query 5:

```
>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
5
Enter the Applicant Id(between 1 to 10):
2
The Trent University contact information for the program mentioned by the Applicant 2 : 705 234 2345
The McGill University contact information for the program mentioned by the Applicant 2 : 705 777 8900
The University of Waterloo contact information for the program mentioned by the Applicant 2 : 705 444 1423
The University of Toronto contact information for the program mentioned by the Applicant 2 : 705 888 0967
```

For Query 6:

```
>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
6
Enter the Applicant Id(between 1 to 10):
3
The Psychology program fee for the program mentionedby the Applicant 3 : 32000 CAD
```

For Query 7:

```
>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
7
Enter the Applicant Id(between 1 to 10):
1
The Big Data Analytics program's duration: 16 Months of the program mentioned by the Applicant 1
```

For Query 8:

```
>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
8
Enter the Applicant Id(between 1 to 10):
3
The book name for the program mentioned by an Applicant Id 3 : Thinking, Fast and Slow
```

For Query 9:

```
>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
9
The Ontario Scholarship's eligibility criteria: All Ontario students,more than 80% in High school
The Graduate Scholarship's eligibility criteria: All graduate students,more than 80% in Grad school
The Undergraduate Scholarship's eligibility criteria: All Canadian students,more than 80% in High school
```

For Query 10:

```
>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
10
Enter the Applicant Id(between 1 to 10):
7
The number of other applicants interested in the program mentioned by Applicant 7: 3
```

For returning back to the menu :

```
>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
9
The Ontario Scholarship's eligibility criteria: All Ontario students,more than 80% in High school
The Graduate Scholarship's eligibility criteria: All graduate students,more than 80% in Grad school
The Undergraduate Scholarship's eligibility criteria: All Canadian students,more than 80% in High school

>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
```

For entering a value for which the record is not available in the database:

```
>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
8
Enter the Applicant Id(between 1 to 10):
457

>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
```

For inserting a new record:

```
>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 insert a new Applicant, type 11
>to exit, type e
11
Enter the Applicant's Name:
Zilan
Enter the Applicant's Email:
zilan@gmail.com
Enter the program in which Applicant is interested in:
Big Data Analytics
Enter the Street Name where the Applicant resides:
Murray Street
Enter the name of the City where the Applicant lives:
Peterborough
Enter the name of the Country where the Applicant lives:
Canada
Record Inserted successfuly
To check if the record is successfuly inserted, type yes
yes
Id : 14
Name : Zilan
Email : zilan@gmail.com
InterestedProgram : Big Data Analytics
StreetName : Murray Street
City : Peterborough
Country : Canada

>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
```

For exiting from the code:

```
>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
e

C:\Users\gurleen\eclipse-workspace\Database\src>
```