CSE-5330-001

Project 2 Part 2

By:

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1) mysql> CREATE VIEW SUPERVISION_INFO(IID, IFName, ILName, SId, SFName, SLName, SStSem, SStYear) AS SELECT instructor.InstructorID, instructor.FName, instructor.LName, phd_student.StudentID, phd_student.FName, phd_student.LNAME, phd_student.StSem, phd_student.StYear FROM phd_student JOIN instructor ON phd_student.Supervisor = instructor.InstructorId;

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from SUPERVISION_INFO;
+--------+-------------+--------------+--------+-----------+-------------+--------+--------+
| IID    | IFName      | ILName       | SId    | SFName    | SLName      | SStSem | SStYear|
+--------+-------------+--------------+--------+-----------+-------------+--------+--------+
| AO5671 | Adegoke     | Olubummo     | AA1234 | Abimbola  | Abioye      | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | AA2345 | Afia      | Achebe      | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | AB2903 | Aditya    | Bhatt       | Fall   | 2016   |
| RB1897 | Ravindran   | Balaraman    | AD1035 | Ashish    | Dwivedi     | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | AJ1836 | Alice     | Jones       | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | AJ1934 | Adriana   | Johnson     | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | AK1958 | Abdul     | Kalam       | Fall   | 2018   |
| AO5671 | Adegoke     | Olubummo     | AL8345 | Alejandro | Lopez       | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | AM2950 | Armand    | Martin      | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | AM8051 | Antonio   | Martinez    | Fall   | 2016   |
| SB2561 | Sanghamitra | Bandyopadhyay| AP2578 | Anastasia | Petrov      | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | AW1023 | Abdurrahman| Wahid      | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | AY2653 | Adarsh    | Yadav       | Fall   | 2017   |
| AO5671 | Adegoke     | Olubummo     | BD5678 | Berko     | Dogo        | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | BE1256 | Bosede    | Eesuola     | Fall   | 2017   |
| RB1897 | Ravindran   | Balaraman    | BM1745 | Ben       | Mueller     | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | CC6716 | Chayton   | Chavis      | Fall   | 2018   |
| AO5671 | Adegoke     | Olubummo     | DB1783 | Dakota    | Benally     | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | DB6291 | Dyani     | Begay       | Fall   | 2016   |
| RB1897 | Ravindran   | Balaraman    | EN4589 | Emeka     | Nenge       | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | FE6789 | Fumnaya   | Egebe       | Fall   | 2017   |
| RB1897 | Ravindran   | Balaraman    | FK8907 | Folami    | Kanye       | Fall   | 2017   |
| AO5671 | Adegoke     | Olubummo     | FS6892 | Francisco | Sanchez     | Fall   | 2018   |
| RB1897 | Ravindran   | Balaraman    | GD1948 | Gabriel   | Durand      | Fall   | 2017   |
| RB1897 | Ravindran   | Balaraman    | GM6294 | Gabriella | Miller      | Fall   | 2017   |
| SB2561 | Sanghamitra | Bandyopadhyay| HA2680 | Hector    | Adams       | Fall   | 2018   |
| RB1897 | Ravindran   | Balaraman    | IJ1569 | Ife       | Jelani      | Fall   | 2017   |
| AO5671 | Adegoke     | Olubummo     | IS2945 | Ivan      | Sokolov     | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | JF1092 | Josefina  | Flores      | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | JG1036 | Juan      | Gonzalez    | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | JG8927 | Jose      | Garcia      | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | JP9384 | Jung      | Park        | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | JR1930 | Jesus     | Rodriguez   | Fall   | 2016   |
| RB1897 | Ravindran   | Balaraman    | JT6936 | Jules     | Thomas      | Fall   | 2018   |
| BL9856 | Barbara     | Liskov       | KH1029 | Ki        | Hajar       | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | KJ1928 | Kim       | Jee         | Fall   | 2018   |
| SB2561 | Sanghamitra | Bandyopadhyay| KO1905 | Kojo      | Okoro       | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | KY4892 | Kaya      | Yazzie      | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | LB2673 | Leo       | Bernard     | Fall   | 2017   |
| RB1897 | Ravindran   | Balaraman    | LF150  | Luis      | Fischer     | Fall   | 2018   |
| SB2561 | Sanghamitra | Bandyopadhyay| LM1405 | Lucinda   | Moreau      | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | LY1049 | Li        | Ying        | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | MA1234 | Miguel    | Angel       | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | MA1968 | Muhammad  | Ansari      | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | MG1940 | Maanas    | Gandhi      | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | MI1589 | Mikhail   | Ivanov      | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | ML3902 | Malia     | Locklear    | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | MN2903 | Mika      | Nyhoff      | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | MP3478 | Maria     | Perez       | Fall   | 2017   |
| AO5671 | Adegoke     | Olubummo     | MS1259 | Maya      | Smith       | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | NN1629 | Nokomis   | Nez         | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | NS4289 | Noah      | Schmidt     | Fall   | 2017   |
| SB2561 | Sanghamitra | Bandyopadhyay| NZ1278 | Nia       | Zivai       | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | OT8190 | Odina     | Toledo      | Fall   | 2017   |
| RB1897 | Ravindran   | Balaraman    | PG2469 | Patricia  | Gomez       | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | PH2091 | Pocahontas| Hill        | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | PS1904 | Parvinder | Singh       | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | RK1489 | Ranomi    | Kromowidjojo| Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | RS1903 | Rosa      | Sanchez     | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | RW9267 | Raymond   | Wilson      | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | RY1726 | Rhee      | Yi          | Fall   | 2017   |
| SB2561 | Sanghamitra | Bandyopadhyay| SC1894 | Steven    | Cooper      | Fall   | 2018   |
| RB1897 | Ravindran   | Balaraman    | SD1946 | Shalini   | Desai       | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | SJ1947 | Salil     | Jha         | Fall   | 2018   |
| AS2348 | Ahmed       | Sarhan       | SP1938 | Sai       | Paranjape   | Fall   | 2017   |
| AS2348 | Ahmed       | Sarhan       | SS1304 | Simarjeet | Suri        | Fall   | 2017   |
| BL9856 | Barbara     | Liskov       | TC1038 | Tala      | Castillo    | Fall   | 2018   |
| AO5671 | Adegoke     | Olubummo     | VA1938 | Vivaan    | Ahuja       | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | VB1059 | Victor    | Brown       | Fall   | 2017   |
| AO5671 | Adegoke     | Olubummo     | VW8930 | Violet    | Williams    | Fall   | 2016   |
| BL9856 | Barbara     | Liskov       | WW3847 | Wang      | Wei         | Fall   | 2016   |
| AS2348 | Ahmed       | Sarhan       | XY2938 | Xiu       | Ying        | Fall   | 2016   |
| AO5671 | Adegoke     | Olubummo     | ZW1029 | Zhang     | Wei         | Fall   | 2016   |
+--------+-------------+--------------+--------+-----------+-------------+--------+--------+
73 rows in set (0.00 sec)
```

2) A) mysql> select IID, IFNAme, ILName,Count(SId) AS NoOFStudentsSupervised FROM SUPERVISION_INFO GROUP BY IId;

```
mysql> select IID, IFNAme, ILName,Count(SId) AS NoOFStudentsSupervised FROM SUPERVISION_INFO GROUP BY IId;
+--------+-------------+--------------+------------------------+
| IID    | IFName      | ILName       | NoOFStudentsSupervised |
+--------+-------------+--------------+------------------------+
| AO5671 | Adegoke     | Olubummo     |                     16 |
| AS2348 | Ahmed       | Sarhan       |                     26 |
| RB1897 | Ravindran   | Balaraman    |                     11 |
| BL9856 | Barbara     | Liskov       |                     14 |
| SB2561 | Sanghamitra | Bandyopadhyay|                      6 |
+--------+-------------+--------------+------------------------+
5 rows in set (0.00 sec)
```

2 B) mysql> SELECT SFName AS FName, SLName AS LName FROM SUPERVISION_INFO where IFName = 'Ahmed' AND ILName = 'Sarhan';

```
mysql> SELECT SFName AS FName, SLName AS LName FROM SUPERVISION_INFO where IFName = 'Ahmed' AND ILName = 'Sarhan';
+-----------+-----------+
| FName     | LName     |
+-----------+-----------+
| Aditya    | Bhatt     |
| Alice     | Jones     |
| Antonio   | Martinez  |
| Adarsh    | Yadav     |
| Bosede    | Eesuola   |
| Fumnaya   | Egebe     |
| Jesus     | Rodriguez |
| Kim       | Jee       |
| Kaya      | Yazzie    |
| Leo       | Bernard   |
| Li        | Ying      |
| Muhammad  | Ansari    |
| Mikhail   | Ivanov    |
| Malia     | Locklear  |
| Mika      | Nyhoff    |
| Maria     | Perez     |
| Noah      | Schmidt   |
| Odina     | Toledo    |
| Parvinder | Singh     |
| Rosa      | Sanchez   |
| Raymond   | Wilson    |
| Rhee      | Yi        |
| Sai       | Paranjape |
| Simarjeet | Suri      |
| Victor    | Brown     |
| Xiu       | Ying      |
+-----------+-----------+
26 rows in set (0.00 sec)
```

2 C) mysql> SELECT SFName, SLName, IFName AS FName, ILName AS LNAME FROM SUPERVISION_INFO where SFName = 'Ife' AND SLName = 'Jelani' OR SFName = 'Maya' AND SLName = 'Smith' OR SFName = 'Raymond' AND SLName = 'Wilson';

```
+---------+--------+-----------+-----------+
| SFName  | SLName | FName     | LNAME     |
+---------+--------+-----------+-----------+
| Ife     | Jelani | Ravindran | Balaraman |
| Maya    | Smith  | Adegoke   | Olubummo  |
| Raymond | Wilson | Ahmed     | Sarhan    |
+---------+--------+-----------+-----------+
3 rows in set (0.00 sec)
```

3) i) mysql> select phd_student.StudentId, phd_student.FNAme, phd_student.LName, milestone.MName, milestonespassed.PassDate from phd_student, milestone, milestonespassed where milestonespassed.MId = milestone.MId AND phd_student.StudentId = milestonespassed.StudentId \G

```
*************************** 1. row ***************************
StudentId: AA1234
    FNAme: Abimbola
    LName: Abioye
    MName: Committee Formed
 PassDate: 12/01/2016
*************************** 2. row ***************************
StudentId: AA2345
    FNAme: Afia
    LName: Achebe
    MName: Committee Formed
 PassDate: 12/01/2016
*************************** 3. row ***************************
StudentId: AB2903
    FNAme: Aditya
    LName: Bhatt
    MName: Committee Formed
 PassDate: 12/05/2016
*************************** 4. row ***************************
StudentId: AJ1836
    FNAme: Alice
    LName: Jones
    MName: Committee Formed
 PassDate: 12/02/2016
*************************** 5. row ***************************
StudentId: AJ1934
    FNAme: Adriana
    LName: Johnson
    MName: Committee Formed
 PassDate: 12/02/2016
*************************** 6. row ***************************
StudentId: AK1958
    FNAme: Abdul
    LName: Kalam
    MName: Committee Formed
 PassDate: 12/07/2017
```

```
*************************** 1. row ***************************
StudentId: AA1234
    FNAme: Abimbola
    LName: Abioye
    MName: Committee Formed
 PassDate: 12/01/2016
*************************** 2. row ***************************
StudentId: AA2345
    FNAme: Afia
    LName: Achebe
    MName: Committee Formed
 PassDate: 12/01/2016
```

*********************** 3. row ***********************
StudentId: AB2903
  FNAme: Aditya
  LName: Bhatt
  MName: Committee Formed
 PassDate: 12/05/2016
*********************** 4. row ***********************
StudentId: AJ1836
  FNAme: Alice
  LName: Jones
  MName: Committee Formed
 PassDate: 12/02/2016
*********************** 5. row ***********************
StudentId: AJ1934
  FNAme: Adriana
  LName: Johnson
  MName: Committee Formed
 PassDate: 12/02/2016
*********************** 6. row ***********************
StudentId: AK1958
  FNAme: Abdul
  LName: Kalam
  MName: Committee Formed
 PassDate: 12/07/2017
*********************** 7. row ***********************
StudentId: AL8345
  FNAme: Alejandro
  LName: Lopez
  MName: Committee Formed
 PassDate: 12/05/2016
*********************** 8. row ***********************
StudentId: AM2950
  FNAme: Armand
  LName: Martin
  MName: Committee Formed
 PassDate: 12/05/2016
*********************** 9. row ***********************
StudentId: AM8051
  FNAme: Antonio
  LName: Martinez
  MName: Committee Formed
 PassDate: 12/06/2016
*********************** 10. row ***********************
StudentId: BD5678
  FNAme: Berko
  LName: Dogo
  MName: Committee Formed
 PassDate: 12/07/2017

```
*********************** 11. row ***********************
StudentId: BE1256
  FNAme: Bosede
  LName: Eesuola
  MName: Committee Formed
 PassDate: 12/07/2017
*********************** 12. row ***********************
StudentId: BM1745
  FNAme: Ben
  LName: Mueller
  MName: Committee Formed
 PassDate: 12/05/2016
*********************** 13. row ***********************
StudentId: DB1783
  FNAme: Dakota
  LName: Benally
  MName: Committee Formed
 PassDate: 12/07/2016
*********************** 14. row ***********************
StudentId: DB1783
  FNAme: Dakota
  LName: Benally
  MName: Diagnostics Evaluation
 PassDate: 06/05/2017
*********************** 15. row ***********************
StudentId: DB6291
  FNAme: Dyani
  LName: Begay
  MName: Committee Formed
 PassDate: 12/07/2016
*********************** 16. row ***********************
StudentId: DB6291
  FNAme: Dyani
  LName: Begay
  MName: Diagnostics Evaluation
 PassDate: 06/06/2017
*********************** 17. row ***********************
StudentId: EN4589
  FNAme: Emeka
  LName: Nenge
  MName: Committee Formed
 PassDate: 12/06/2018
*********************** 18. row ***********************
StudentId: FE6789
  FNAme: Fumnaya
  LName: Egebe
  MName: Committee Formed
 PassDate: 12/07/2017
```

```
*********************** 19. row ***********************
StudentId: FK8907
   FNAme: Folami
   LName: Kanye
   MName: Comprehensive Exam
 PassDate: 05/07/2018
*********************** 20. row ***********************
StudentId: FK8907
   FNAme: Folami
   LName: Kanye
   MName: Committee Formed
 PassDate: 12/07/2017
*********************** 21. row ***********************
StudentId: FK8907
   FNAme: Folami
   LName: Kanye
   MName: Diagnostics Evaluation
 PassDate: 12/07/2017
*********************** 22. row ***********************
StudentId: HA2680
   FNAme: Hector
   LName: Adams
   MName: Committee Formed
 PassDate: 12/08/2018
*********************** 23. row ***********************
StudentId: IJ1569
   FNAme: Ife
   LName: Jelani
   MName: Committee Formed
 PassDate: 12/07/2017
*********************** 24. row ***********************
StudentId: IJ1569
   FNAme: Ife
   LName: Jelani
   MName: Diagnostics Evaluation
 PassDate: 12/06/2017
*********************** 25. row ***********************
StudentId: IS2945
   FNAme: Ivan
   LName: Sokolov
   MName: Committee Formed
 PassDate: 12/02/2016
*********************** 26. row ***********************
StudentId: JG1036
   FNAme: Juan
   LName: Gonzalez
   MName: Committee Formed
 PassDate: 12/06/2016
```

```
*********************** 27. row ***********************
StudentId: JG8927
  FNAme: Jose
  LName: Garcia
  MName: Committee Formed
 PassDate: 12/05/2016
*********************** 28. row ***********************
StudentId: JP9384
  FNAme: Jung
  LName: Park
  MName: Comprehensive Exam
 PassDate: 12/07/2017
*********************** 29. row ***********************
StudentId: JP9384
  FNAme: Jung
  LName: Park
  MName: Committee Formed
 PassDate: 12/09/2016
*********************** 30. row ***********************
StudentId: JP9384
  FNAme: Jung
  LName: Park
  MName: Diagnostics Evaluation
 PassDate: 06/07/2017
*********************** 31. row ***********************
StudentId: JP9384
  FNAme: Jung
  LName: Park
  MName: Proposal
 PassDate: 12/08/2018
*********************** 32. row ***********************
StudentId: JR1930
  FNAme: Jesus
  LName: Rodriguez
  MName: Committee Formed
 PassDate: 12/06/2016
*********************** 33. row ***********************
StudentId: KH1029
  FNAme: Ki
  LName: Hajar
  MName: Comprehensive Exam
 PassDate: 12/07/2017
*********************** 34. row ***********************
StudentId: KH1029
  FNAme: Ki
  LName: Hajar
  MName: Committee Formed
 PassDate: 12/09/2016
```

```
*************************** 35. row ***************************
StudentId: KH1029
  FNAme: Ki
  LName: Hajar
  MName: Diagnostics Evaluation
 PassDate: 06/07/2017
*************************** 36. row ***************************
StudentId: KH1029
  FNAme: Ki
  LName: Hajar
  MName: Proposal
 PassDate: 12/07/2018
*************************** 37. row ***************************
StudentId: KO1905
  FNAme: Kojo
  LName: Okoro
  MName: Committee Formed
 PassDate: 12/07/2018
*************************** 38. row ***************************
StudentId: KY4892
  FNAme: Kaya
  LName: Yazzie
  MName: Committee Formed
 PassDate: 12/08/2016
*************************** 39. row ***************************
StudentId: KY4892
  FNAme: Kaya
  LName: Yazzie
  MName: Diagnostics Evaluation
 PassDate: 06/06/2017
*************************** 40. row ***************************
StudentId: MA1968
  FNAme: Muhammad
  LName: Ansari
  MName: Committee Formed
 PassDate: 12/05/2016
*************************** 41. row ***************************
StudentId: MN2903
  FNAme: Mika
  LName: Nyhoff
  MName: Comprehensive Exam
 PassDate: 12/07/2017
*************************** 42. row ***************************
StudentId: MN2903
  FNAme: Mika
  LName: Nyhoff
  MName: Committee Formed
 PassDate: 12/08/2016
```

*********************** 43. row ***********************
StudentId: MN2903
  FNAme: Mika
  LName: Nyhoff
  MName: Diagnostics Evaluation
 PassDate: 06/06/2017
*********************** 44. row ***********************
StudentId: MS1259
  FNAme: Maya
  LName: Smith
  MName: Committee Formed
 PassDate: 12/02/2016
*********************** 45. row ***********************
StudentId: NZ1278
  FNAme: Nia
  LName: Zivai
  MName: Committee Formed
 PassDate: 12/07/2018
*********************** 46. row ***********************
StudentId: RK1489
  FNAme: Ranomi
  LName: Kromowidjojo
  MName: Comprehensive Exam
 PassDate: 12/07/2017
*********************** 47. row ***********************
StudentId: RK1489
  FNAme: Ranomi
  LName: Kromowidjojo
  MName: Committee Formed
 PassDate: 12/08/2016
*********************** 48. row ***********************
StudentId: RK1489
  FNAme: Ranomi
  LName: Kromowidjojo
  MName: Diagnostics Evaluation
 PassDate: 06/07/2017
*********************** 49. row ***********************
StudentId: RK1489
  FNAme: Ranomi
  LName: Kromowidjojo
  MName: Proposal
 PassDate: 12/07/2018
*********************** 50. row ***********************
StudentId: SJ1947
  FNAme: Salil
  LName: Jha
  MName: Committee Formed
 PassDate: 12/07/2017

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*********************** 51. row ***********************
StudentId: VA1938
   FNAme: Vivaan
   LName: Ahuja
   MName: Committee Formed
 PassDate: 12/05/2016
*********************** 52. row ***********************
StudentId: VW8930
   FNAme: Violet
   LName: Williams
   MName: Committee Formed
 PassDate: 12/02/2016
*********************** 53. row ***********************
StudentId: WW3847
   FNAme: Wang
   LName: Wei
   MName: Comprehensive Exam
 PassDate: 12/07/2017
*********************** 54. row ***********************
StudentId: WW3847
   FNAme: Wang
   LName: Wei
   MName: Committee Formed
 PassDate: 12/08/2016
*********************** 55. row ***********************
StudentId: WW3847
   FNAme: Wang
   LName: Wei
   MName: Diagnostics Evaluation
 PassDate: 06/07/2017
*********************** 56. row ***********************
StudentId: XY2938
   FNAme: Xiu
   LName: Ying
   MName: Comprehensive Exam
 PassDate: 12/07/2017
*********************** 57. row ***********************
StudentId: XY2938
   FNAme: Xiu
   LName: Ying
   MName: Committee Formed
 PassDate: 12/08/2016
*********************** 58. row ***********************
StudentId: XY2938
   FNAme: Xiu
   LName: Ying
   MName: Diagnostics Evaluation
 PassDate: 06/07/2017
```

```
*************************** 59. row ***************************
StudentId: ZW1029
   FNAme: Zhang
   LName: Wei
   MName: Comprehensive Exam
 PassDate: 12/07/2017
*************************** 60. row ***************************
StudentId: ZW1029
   FNAme: Zhang
   LName: Wei
   MName: Committee Formed
 PassDate: 12/08/2016
*************************** 61. row ***************************
StudentId: ZW1029
   FNAme: Zhang
   LName: Wei
   MName: Diagnostics Evaluation
 PassDate: 06/07/2017
61 rows in set (0.00 sec)
```

3. ii) select phd_student.StudentId, phd_student.FName, phd_student.LName, grants.GrantTitle from studentgra left join phd_student on studentgra.studentid = phd_student.studentid, grants where Funding = grants.AccountNo;

```
mysql> select phd_student.StudentId, phd_student.FName, phd_student.LName, grants.GrantTitle from
    -> studentgra left join phd_student on studentgra.studentid = phd_student.studentid, grants where Funding = grants.AccountNo;
+-----------+-------------+--------------+--------------------------+
| StudentId | FName       | LName        | GrantTitle               |
+-----------+-------------+--------------+--------------------------+
| AW1023    | Abdurrahman | Wahid        | Resistance to Infections |
| CC6716    | Chayton     | Chavis       | GAANN                    |
| JP9384    | Jung        | Park         | University Transportation|
| KH1029    | Ki          | Hajar        | Resistance to Infections |
| KJ1928    | Kim         | Jee          | University Transportation|
| LY1049    | Li          | Ying         | Undergraduate Experiences|
| RK1489    | Ranomi      | Kromowidjojo | Undergraduate Experiences|
| RY1726    | Rhee        | Yi           | University Transportation|
| WW3847    | Wang        | Wei          | GAANN                    |
| XY2938    | Xiu         | Ying         | GAANN                    |
| ZW1029    | Zhang       | Wei          | GAANN                    |
+-----------+-------------+--------------+--------------------------+
11 rows in set (0.00 sec)
```

3. iii) select course.CName, studentgta.StudentID, phd_student.FName, phd_student.LName from course join sections on course.CourseId = sections.CourseId, studentgta, phd_student where studentgta.SectionId = sections.SectionId and studentgta.StudentId = phd_student.StudentId;

```
mysql> select course.CName, studentgta.StudentID, phd_student.FName, phd_student.LName from course join sections on course.CourseId = sections.CourseId, studentgta, phd_student where studentgta.SectionId = sections.SectionId and studentg
ta.StudentId = phd_student.StudentId \G
*************************** 1. row ***************************
    CName: Software Design
StudentID: AB2903
    FName: Aditya
    LName: Bhatt
*************************** 2. row ***************************
    CName: Programming Languages
StudentID: AD1035
    FName: Ashish
    LName: Dwivedi
*************************** 3. row ***************************
    CName: Embedded Systems
StudentID: AK1958
    FName: Abdul
    LName: Kalam
*************************** 4. row ***************************
    CName: Neural Networks
StudentID: AL8345
    FName: Alejandro
    LName: Lopez
*************************** 5. row ***************************
    CName: Neural Networks
StudentID: AM8051
    FName: Antonio
    LName: Martinez
```

*************************** 1. row ***************************

    CName: Software Design
StudentID: AB2903
    FName: Aditya
    LName: Bhatt
*************************** 2. row ***************************
    CName: Programming Languages
StudentID: AD1035
    FName: Ashish
    LName: Dwivedi
*************************** 3. row ***************************
    CName: Embedded Systems
StudentID: AK1958
    FName: Abdul
    LName: Kalam
*************************** 4. row ***************************
    CName: Neural Networks
StudentID: AL8345
    FName: Alejandro
    LName: Lopez
*************************** 5. row ***************************
    CName: Neural Networks
StudentID: AM8051
    FName: Antonio
    LName: Martinez
*************************** 6. row ***************************
    CName: Parallel Processing
StudentID: AY2653
    FName: Adarsh
    LName: Yadav
*************************** 7. row ***************************
    CName: Computer Graphics
StudentID: DB1783
    FName: Dakota
    LName: Benally

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*********************** 8. row ***********************
   CName: Computer Graphics
StudentID: DB6291
   FName: Dyani
   LName: Begay
*********************** 9. row ***********************
   CName: Embedded Systems
StudentID: FS6892
   FName: Francisco
   LName: Sanchez
*********************** 10. row ***********************
   CName: Operating System
StudentID: JF1092
   FName: Josefina
   LName: Flores
*********************** 11. row ***********************
   CName: Software Design
StudentID: JG1036
   FName: Juan
   LName: Gonzalez
*********************** 12. row ***********************
   CName: Artificial Intelligence
StudentID: JG8927
   FName: Jose
   LName: Garcia
*********************** 13. row ***********************
   CName: Artificial Intelligence
StudentID: JR1930
   FName: Jesus
   LName: Rodriguez
*********************** 14. row ***********************
   CName: Neural Networks
StudentID: KY4892
   FName: Kaya
   LName: Yazzie
*********************** 15. row ***********************
   CName: Database 1
StudentID: LM1405
   FName: Lucinda
   LName: Moreau
*********************** 16. row ***********************
   CName: Database 1
StudentID: MA1234
   FName: Miguel
   LName: Angel
*********************** 17. row ***********************
   CName: Artificial Intelligence
StudentID: MA1968
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FName: Muhammad
    LName: Ansari
************************ 18. row ************************
    CName: Object-Oriented Programming
StudentID: MG1940
    FName: Maanas
    LName: Gandhi
************************ 19. row ************************
    CName: Programming Languages
StudentID: ML3902
    FName: Malia
    LName: Locklear
************************ 20. row ************************
    CName: Computer Graphics
StudentID: MN2903
    FName: Mika
    LName: Nyhoff
************************ 21. row ************************
    CName: Programming Languages
StudentID: MP3478
    FName: Maria
    LName: Perez
************************ 22. row ************************
    CName: Fundamentals of Software Engineering
StudentID: NN1629
    FName: Nokomis
    LName: Nez
************************ 23. row ************************
    CName: Fundamentals of Software Engineering
StudentID: OT8190
    FName: Odina
    LName: Toledo
************************ 24. row ************************
    CName: Database 1
StudentID: PG2469
    FName: Patricia
    LName: Gomez
************************ 25. row ************************
    CName: Intermediate Programming
StudentID: PH2091
    FName: Pocahontas
    LName: Hill
************************ 26. row ************************
    CName: Operating System
StudentID: PS1904
    FName: Parvinder
    LName: Singh
************************ 27. row ************************

CName: Fundamentals of Software Engineering
StudentID: RS1903
    FName: Rosa
    LName: Sanchez
*********************** 28. row ***********************
    CName: Parallel Processing
StudentID: SD1946
    FName: Shalini
    LName: Desai
*********************** 29. row ***********************
    CName: Embedded Systems
StudentID: SJ1947
    FName: Salil
    LName: Jha
*********************** 30. row ***********************
    CName: Parallel Processing
StudentID: SP1938
    FName: Sai
    LName: Paranjape
*********************** 31. row ***********************
    CName: Operating System
StudentID: SS1304
    FName: Simarjeet
    LName: Suri
*********************** 32. row ***********************
    CName: Introduction to programming
StudentID: TC1038
    FName: Tala
    LName: Castillo
*********************** 33. row ***********************
    CName: Software Design
StudentID: VA1938
    FName: Vivaan
    LName: Ahuja
33 rows in set (0.00 sec)