|  |  |
| --- | --- |
| S\_ID | NAME |
| 8000 | HARRY POTTER |
| 7000 | HERMIONE GRANGER |
| 9000 | RON WEASLEY |

CONSIDER THE TABLES GIVEN BELOW:

|  |  |
| --- | --- |
| S\_ID | C\_CODE |
| 8000 | CS123 |
| 8000 | CS1200 |
| 8000 | CS456 |
| 7000 | CS789 |
| 7000 | MG900 |

|  |  |
| --- | --- |
| C\_CODE | INSTRUCTOR\_NAME |
| CS123 | PROFESSOR DUMBLEDORE |
| CS456 | PROFESSOR SNAPE |
| CS789 | PROFESSOR DUMBLEDORE |
| CS456 | REMUS LUPIN |
| MG900 | MINERVA MCGONAGALL |
| CS1200 | DOLORES UMBRIDGE |

FOR ANY 8 OF THE QUESTIONS BELOW, FORMULATE SQL QUERIES AND PROVIDE THE RESULT SET FOR THOSE QUERIES AS WELL:

1. What are the names of students enrolled in cs789?

2. Which subjects is Hermione taking?

3. Who teaches cs123?

4. Who teaches cs123 or cs789?

5. Who teaches at least two different subjects?

6. What are the names of students in cs123 or cs789?

7. What are the names of students in both cs123 and cs1200?

8. Provide names of students in at least two different courses?

9. Provide the codes of all the courses taught?

10. Provide the names of all the students?

11. What are the names of all the students in cs123?

12. What are the names of students taking a subject taught by Minerva McGonagall.

13. What are the names of students who are taking a subject not taught by Minerva McGonagall?

# QUESTION – 2

FORMULATE QUERIES THAT WOULD YEILD THE FOLLOWING RESULT SET:

|  |  |
| --- | --- |
| NAME | INSTRUCTOR\_NAME |
| HARRY POTTER | PROFESSOR DUMBLEDORE |
| HERMIONE GRANGER | PROFESSOR DUMBLEDORE |

1.

|  |  |  |  |
| --- | --- | --- | --- |
| S\_ID | NAME | C\_CODE | INSTRUCTOR\_NAME |
| 7000 | HERMIONE GRANGER | CS789 | PROFESSOR DUMBLEDORE |
| 7000 | HERMIONE GRANGER | MG900 | MINERVA MCGONAGALL |

# QUESTION – 3

DISCUSS SOME OF THE DATA MODELS IN CONTEXT WITH DATABASE SYSTEMS.

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