Task 4.2

Employees Table

|  |  |  |
| --- | --- | --- |
| **emp\_id** | **emp\_name** | **dept\_id** |
| 1 | John | 1 |
| 2 | Mary | 2 |
| 3 | Bob | 1 |
| 4 | Alice | 3 |
| 5 | Tom | 1 |

Department table

|  |  |
| --- | --- |
| **dept\_id** | **dept\_name** |
| 1 | Sales |
| 2 | Marketing |
| 3 | Finance |

Sales Table

|  |  |  |
| --- | --- | --- |
| **sale\_id** | **emp\_id** | **sale\_amt** |
| 1 | 1 | 1000 |
| 2 | 2 | 2000 |
| 3 | 3 | 3000 |
| 4 | 1 | 4000 |
| 5 | 5 | 5000 |
| 6 | 3 | 6000 |
| 7 | 2 | 7000 |

* 1. Find the names of all employees in the Sales department.
  2. Find the names of all employees who have made a sale
  3. Find the names of all employees who have made sales greater than $1000.

Student Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **s\_id** | **s\_name** | **s\_address** | **s\_phone** | **s\_age** |
| S1 | Ram | Delhi | 9874563211 | 18 |
| S2 | Ramesh | Mumbai | 8883214569 | 18 |
| S3 | Sujit | Chennai | 7214589632 | 20 |
| S4 | Suresh | Delhi | 9842155633 | 18 |

Course Table

|  |  |
| --- | --- |
| **c\_id** | **c\_name** |
| 1 | Sales |
| 2 | Marketing |
| 3 | Finance |

Student\_course Table

|  |  |
| --- | --- |
| **s\_id** | **c\_id** |
| S1 | C1 |
| S1 | C3 |
| S2 | C1 |
| S3 | C2 |
| S4 | C2 |
| S4 | C3 |

1. Find the S\_IDs of students who are enrolled in the courses ‘DSA’ or ‘DBMS’.
2. Find the names of students who are enrolled in the course with C\_ID = 'C1':
3. Retrieve student names who enrolled in ‘DSA’ or ‘DBMS’:

#### Retrieve student IDs not enrolled in ‘DSA’ or ‘DBMS’:

#### Find student names enrolled in ‘DSA'

#### Compare the output of the following two queries

SELECT S\_NAME FROM STUDENT WHERE S\_AGE > ANY (SELECT S\_AGE FROM STUDENT WHERE S\_ADDRESS = 'DELHI' );

SELECT S\_NAME FROM STUDENT WHERE S\_AGE > ALL ( SELECT S\_AGE FROM STUDENT WHERE S\_ADDRESS = 'DELHI' );