Please select the correct result:

**1) SELECT (SELECT 'SYNECHRON')**

Output of this query would be.

A). Throw error

B). 'SYNECHRON'

C). SYNECHRON

D). SYNECHRON1

**2) SELECT COUNT(\*) + COUNT(\*)**

Output of this query would be.

A). Throw error

B). 0

C). 1

D). 2

SCENARIO

Below is the table which has duplicate records

|  |
| --- |
| **Name** |
| Tim |
| Mike |
| Susan |
| Tom |
| Mike |
| Kevin |
| Susan |
| Mike |
| Joi |

**Question 3**

How will you find the duplicate records in a table, the query should also show number of occurrences.

**Output:**

|  |  |
| --- | --- |
| **Name** | **OccurrenceCount** |
| Mike | 3 |
| Susan | 2 |

**Question 4**

There is a tables named Employee which has column named Gender, you have to write a SQL query which will change male to female and female to male in one SQL statement.

SCENARIO

Below is the table structure and data for Orders and SalesPerson table

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **ID** | **Name** | **Age** | **Salary** | | 1 | Nick | 45 | 8000 | | 2 | Bob | 32 | 5000 | | 3 | Tim | 54 | 8500 | | 4 | Mike | 28 | 4200 | | 5 | Joe | 35 | 4800 | | 6 | Chris | 40 | 5200 | | 7 | Toad | 34 | 4800 | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **OrderID** | **OrderDate** | **CustID** | **SalesPersonID** | **Amount** | | 1 | 2014-12-10 | 45 | 4 | 340 | | 2 | 2014-02-10 | 56 | 1 | 200 | | 3 | 2014-04-12 | 89 | 4 | 450 | | 4 | 2014-06-02 | 34 | 6 | 890 | | 5 | 2014-04-23 | 21 | 4 | 340 | | 6 | 2014-01-10 | 34 | 7 | 650 | | 7 | 2014-04-26 | 76 | 6 | 900 | | 8 | 2014-06-28 | 88 | 1 | 230 | |

**Question 5:**

Fetch the names of all salesperson that have more than 1 order from the tables above and display like below output.

**Output:**

|  |
| --- |
| **Name** |
| Nick |
| Mike |
| Chris |

**Question 6:**

Select Name of the sales person and Order amount for all the sales person whose order amount and more than 1000 and display like below output:

**Output**:

|  |  |
| --- | --- |
| **Name** | **Amount** |
| Chris | 1790 |
| Mike | 1130 |

SCENARIO

Below is the table data which has 1 column and 7 rows

|  |
| --- |
| **COL1** |
| 10/12 |
| 1a/09 |
| 20/14 |
| 20/1c |
| 3112 |
| 11/16 |
| mm/pp |

**Question 7:** Give data in a table is of format 'NN/NN', verify that the first and last two characters are numbers and that the middle character is '/'.

Print the expression 'NUMBER' if valid, 'NOT NUM' if not valid.

**Output:**

|  |  |
| --- | --- |
| **CHECK** | **COL1** |
| NUMBER | 10/12 |
| NOT NUM | 1a/09 |
| NUMBER | 20/14 |
| NOT NUM | 20/1c |
| NOT NUM | 3112 |
| NUMBER | 11/16 |
| NOT NUM | Mm/pp |

SCENARIO

Below is the table data:

|  |  |  |
| --- | --- | --- |
| **Name** | **Subject** | **Marks** |
| GEORGE | ECO | 77 |
| GEORGE | HIS | 99 |
| GEORGE | MAT | 64 |
| GEORGE | GEO | 85 |
| GEORGE | SCI | 98 |
| ROBERT | ECO | 71 |
| ROBERT | HIS | 90 |
| ROBERT | MAT | 84 |
| ROBERT | GEO | 95 |
| ROBERT | SCI | 58 |
| TIMOTHY | ECO | 56 |
| TIMOTHY | HIS | 55 |
| TIMOTHY | MAT | 67 |
| TIMOTHY | GEO | 54 |
| TIMOTHY | SCI | 45 |

**Question 8:** Transform column into rows, like the below output:

**Output:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | ECO | HIS | MAT | GEO | SCI |
| GEORGE | 77 | 99 | 64 | 85 | 98 |
| ROBERT | 71 | 90 | 84 | 95 | 58 |
| TIMOTHY | 56 | 55 | 67 | 54 | 45 |

**Question 9:** Select the topper from each subject and display like below output:

**Output:**

|  |  |  |
| --- | --- | --- |
| **MARKS** | **SUBJECT** | **NAME** |
| 77 | ECO | GEORGE |
| 99 | HIS | GEORGE |
| 98 | SCI | GEORGE |
| 95 | GEO | ROBERT |

SCENARIO

Below are the 2 tables Tab1 and Tab2 with only one column Col1 with the following data

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Tab1** | | **Col1** | | 1 | | 1 | | 1 | | |  | | --- | | **Tab2** | | **Col1** | | 1 | | 1 | | 1 | |

Please select the number of rows return by below queries.

**10)** Select \* from Tab1 inner join Tab2 on Tab1.col1=Tab2.col1

A) 1

B) 9

C) 3

D) 6

**11)** Select \* from Tab1 Left Outer join tab2 on tab1.col1=tab2.col1

A) 9

B) 3

C) 6

D) 12

**12)** Select \* from Tab1 Right Outer join tab2 on tab1.col1=tab2.col1

A) 12

B) 3

C) 1

D) 9

SCENARIO

Below are the 3 tables Tab1, Tab2 and Tab3 with only one column Col1 with the following data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Tab1** | | **Col1** | | 1 | | 1 | | 1 | | |  | | --- | | **Tab2** | | **Col1** | | 2 | | 2 | | 2 | | |  | | --- | | **Tab3** | | **Col1** | | 3 | | 3 | | 3 | |

Please select the number of rows return by below queries.

**13)** Select \* from Tab1 inner join tab2 on tab1.col1=tab2.col1

Left outer join Tab3 on Tab3.Col1=Tab2.Col1

A) 1

B) 9

C) 0

D) 3

**14)** Select \* from Tab1 Left Outer join tab2 on tab1.col1=tab2.col1

Left outer join Tab3 on Tab3.Col1=Tab2.Col1

A) 1

B) 9

C) 6

D) 3

**15)** Select \* from Tab1 Full Outer join tab2 on tab1.col1=tab2.col1

Left outer join Tab3 on Tab3.Col1=Tab2.Col1

A) 1

B) 9

C) 6

D) 3