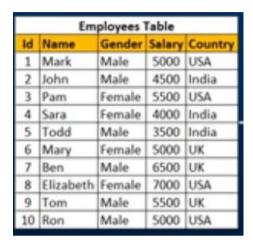
LAB # 12

Task # 01:

Create Sample Database.

Create the table given below:



Retrieve Salary by country along with grand total by rollup

Query:

SELECT Country, SUM(salary) as TotalSalary FROM Employees group by rollup(Country) Result:





Task # 02:

Create the following table given below and generate the output applying rollup query:

Table name: result

Class	Section	Roll	Marks
1	A	1	40
1	A	2	30
1	A	3	20
1	В	1	40
1	В	2	30
1	В	3	30
2	A	1	20
2	A	2	60
2	A	3	40
2	В	1	20
2	В	2	30
2	В	3	20

Query:

SELECT Class, Section, SUM(MARKS) AS MARKS FROM Result GROUP BY ROLLUP(Class, Section) Result:

	Class	Section	MARKS
1	1	Α	90
2	1	В	100
3	1	NULL	190
4	2	Α	120
5	2	В	70
6	2	NULL	190
7	NULL	NULL	380

xxxx-----xxxx

Task # 03:

Write a query to retrieve Sum of Salary grouped by all combinations of the following 2 columns as well as Grand Total. Country, Gender?

Query:

SELECT Country, Gender, SUM(salary) as Total Salary FROM Employees group by cube (Country, Gender)

Result:

	Country	Gender	TotalSalary
1	India	Female	4000
2	UK	Female	5000
3	USA	Female	12500
4	NULL	Female	21500
5	India	Male	8000
6	UK	Male	12000
7	USA	Male	10000
8	NULL	Male	30000
9	NULL	NULL	51500
10	India	NULL	12000
11	UK	NULL	17000
12	USA	NULL	22500



Task # 04:

Generate the output applying cube query:

Query:

SELECT Class, Section, SUM(MARKS) AS MARKS FROM Result GROUP BY CUBE(Class, Section)

Result:

	Class	Section	MARKS
1	1	Α	90
2	2	Α	120
3	NULL	Α	210
4	1	В	100
5	2	В	70
6	NULL	В	170
7	NULL	NULL	380
8	1	NULL	190
9	2	NULL	190

xxxx-----xxxx