11. Find total Salary and total bonus department

```
Select department
    Sum (Salary) as total_Salary,
    Sum(bonus) as total_bonus
FROM Salaries
 Group by department;
```

Dept	total Sal:	Total Bonus
IT	122 500	10 500
HR	109 000	7500
Fin	70 000	6000

12. Show departments where average is above 55 000

```
Select department, avg (Salary) as avg_Sal
FROM Salaries
Group by department
Having avg (Salary) > 55 000 ;
```

Department	Avg Salary
IT	61 000
Fin	70 000

13. List Employees whose salary plus bonus is > 60 000

```
Select employee-id, name, salary, bonus,
    (Salary + bonus) as total-compensation
From Salaries where (Salary + bonus) > 60 000;
```

id	name	salary	bonus	total Compensa-
1	Tom	60 000	5000	65 000
3	Spike	70 000	6000	76 000
4	Tyke	62 000	5500	67 500

Musawakhe Anden Nzama

Exercise 2 : SQL Aggregate functions & Operator

1) List all distinct departments

```
Select distinct department
   From Students
```

[IT / HR / FINANCE]

2. Get the average of students per department

```
- Select department, Avg (age) AS avg-age
    FROM Students
    Group by department;
```

[IT = 20,5 HR = 22 FINANCE = 23]

3. Show departments with more than 1 Student

```
Select department, count (*) AS student_count
FROM Students
Group by department
Having count (*) > 1;
```

[IT = 2 HR = 2]

4. Get all Students whose age is between 21 & 23.

```
-> Select Student-id, name, age, department
   From Students
    where age between 21 and 23;
```

id			
2	Bob	22	HR
3	Charlie	21	IT
4	Diana	23	Finance