

Exercise 2

1. Select distinct department
From Students

department
IT
Finance
HR

2. Select department,
AUS CASE AS AUS-ASE

From Students

3. Group By department;

department	AUS-ASE
IT	205
HR	21
Finance	23

3. Select department,

COUNT (Student-Id) AS Student-Count
From Students

Group BY department

HAVING Student-Count > 1

department	Student-Count
IT	2
HR	2

4. Select *

From Students

Where Age Between 31 AND 35

Student - Id	Name	Age	Department
1	Bob	32	HR
2	Charlie	31	IT
3	Diana	33	Finance
4	Eve	30	HR
5			

5. Select *

From Students

Where Department = 'HR' OR department = 'IT')

AND Age > 35

Student - Id	Name	Age	Department
1	Bob	32	HR
2		30	HR
3			

6. Select department,
Sum (Credits) AS Total_Credits

From Course

Group By department

HAVING Total_Credits > 5;

Total_Credits

Department

IT

11

7. Select *
From Courses
Where Credits = 4;

Course_id	Course_name	Department	Credits
101	Tac Basic	IT	3
104	Excel	Finance	3
105	Statistics	Hn	3

8. Select ^{Top 3} Course_id, Course_name, Credits
From Courses
Order By Credit Desc;

Course_id	Course_name	Credit
102	Python	4
103	Data-Science	4
101	Tac Basic	3

9. Select Min(Grade) As Min-Grade,
Max(Grade) As Max-Grade,
Avg(Grade) As Avg-Grade
From Enrollment;

Min-Grade Max-Grade Avg-Grade
18 90 84.6

10 Select Course-Id ,
Count(Enrollment-Id) AS Enrollment-Count
From Enrollments
Group By Course-Id ;

Course-Id	Enrollment-Count
101	1
102	1
103	1
104	1
105	1

11 . Select department,
Sum(Salary) AS total-Salary,
Sum(Salary) AS total-Sum
From Salaries
Group By department;

department	Total-Salary	Total-Sum
IT	122 000	16500
HR	109 000	7500
Finance	70 000	6000

12. Select department,
Aus_Salary AS aus_Salary
From Salaries
Group By department
Having aus_Salary > 55000

Department	Aus_Salary
IT	61000
Finance	70000

13. Select employee_id, name, Salary, Bonus,
Salaries + Bonus AS Total_Compensation
From Salaries
Where Total_Compensation > 60000

Employee-Id	Name	Salary	Bonus	Total_Compensation
1	Tom	60000	1000	61000
3	Spilce	70000	6000	76000
4	Luke	60000	3500	67500

14. Select department,

Sum(Budget) AS total_Budget,
Aus_Budget AS Aus_Budget

From Project

Group By department

HAVING Aus_Budget > 70000

Department	Total_Budget	Aus_Budget
IT	270000	135000
Finance	80000	80000

15. Select *
From Projects
Where (Sundset Between 50000 And 100000) AND
Department NOT IN ('Marketing')

Project - Id	Project - Name	Department	Sundset
1	AI APP	IT	100000
2	Payroll System	Finance	80000
3	Dashboard	IT	+
4	HR Portal	HR	50000