Modise L. L. SQL exercise: 2 Aggregrate Fundions 8 Operators

W Select Distinct department from students;

Ť	Dejacut ment
	1 1
	FIR
	Finance

@ SELECT department, Auglage) As aus_age from students; Group by department;

department	Ava-age
工工	20.5
FIR	22.0
Finance	23.0

SELECT department, count (*) As student count-From Student Group By department Having count (*)>1;

department	Student_count
	2
FIR	۵

© SELECT studentid, Name, Age, department From Student WHERE AGE BETWEEN 21 and 23;

·Student-Jo	Name	Age	Department
2	Bob	22	FIR
3	Charlie	21	- IT
4	Diana	23	Finance
. 5	Eve	ಎ೩	HR

(8) SELECT student-id, name, age, department From students WHERE department IN (IT), (HR))

AND age >21;

		/		
-	Studentia	Name	age	department
	2	Bob	22	HR
	5	Eve	22	HR _

(6) SELECT department, Sum (eredits) As Actal_credits
FROM courses
GROUP BY department
HAUIN SUM (credits)>5;

1 1	
depoutment	Total_cvedits
工工	11

1) SELECT course_id, course_name, department, credits
FROM courses

WHERE credit <>4

WILL CLE	V((C > 7	p	
course_id	Course pame	department	credits
101	SQL Basics	T.エ	3
104	Excel	Finance	2
108	statistics	HIR	3

8) SELECT course_Id, course_name, credits
FROM courses
ORDER By credits DESC
LIMIT 3;

course id	course name	credits
102	Python	4
103	Data Science	4
101	SQL Basics	3

@ SELECT MAX (grade) As max_grade.

M=N(grade) As min_grade

AV4(grade) As ave_grade

FROM envollments

Max grade	Min-grade	Aug-grade
90	78	84.6

10) SELECT course_id, Count (*) As enrollment_count From enrollments Group By course_id

course id	Envollment_count
101	(
102	1
(0)	(
104	1
105	

1) Select

11) SELECT department,

SWM (salary) As total_Salary

SUM (bonus) As total_bonus

From salaries

Group By department;

department	total_salavy	Total-bonus
17	12200	10800
HIR	109000	7800
Finance	7000	600

(2) SELECT department, AU4 (Salang) As aug_salang
From Salanies

Sroup By department
HAVINS AUG (Salang) > 55000;

department	Aug-Salavy
OIT	61000
finance	7600

(3) SELECT employee_id, name, salary, bonus,
Sum (salary + bonus) As total_compensation
From Salary + bonus) > 60000;

Employee_id	name	salony	bonus	Total compensation
	Tom	6000	5000	
3	Spike	7000	6000	
4	Tyke	6200	5500	

SELECT department,

Swm (budget) As botal_budget

AU4 (budget) As auy_budget

FROM Project

GROUP 134 department

HAUING AU4 (budget) > 7000;

department	Total budget	Aug-budget
エて	270000	138000
Finance	2000b	2000U

18) SELECT project-id, project-name, department, budge FROM projects WHERE Budget BETWEEN 8000 AND 120000 And department <> 'Marketing';

Projectid	Project_name	depowement	Budget
1	AI app	IT	120001
2	Payroll System	Finance	80006
5	HR Portal	HR	50000