Exercise 2 (SQL Aggregate Functions) SELECT DISTINCT deportment FROM Students; dopartment Finance Q2 SECECT department, AUS (age) As aug age FROM Students Stoup BY department; Obtput: department avg-age 2005 HR Finance 23.0 Q3 SELECT dependment, (ount (x) As student-count FROM ShedenAS SPOUP BY department HAVING Student Count 71; elipsytment IT Student count

04 SELECT Student Id, name, age, department FROM Students WHERE age BETWEEN 21 AND 23; adjust Student id department name Charlie Diana HR QS SELECT Student id, name, age, department from strelands WHERE department IN ("IT", HR') AND age >21; autput department Student id name Bob 十版 06 SELECT department, Sum (credits) As total\_credits sform courses Skoup BY deputment MAVING total\_credits >s; output total\_credets depart ment

SELECT (a	use id, Cause rame	department, cree	lito
	046865		
WHERE U	redits <74;		
aetpur			
Course id	Cause name	deport ment	credits
101	SQL Busks	IT	3
104	Excel	Finance	2
105	1 statistics	HR	3
00			
08			
SELECT CO	aerse id, course no	ine credito	
from con	ises		
from con	credits DESC		
from con	credits DESC		
FROM COU	credits DESC		
FROM CON ORDER BY LIMIT 3	credits DESC		
FROM CON ORDER BY LIMIT 3	credits DESC		
CROER BY LIMIT 3	credits DESC	re credi	*
CAUSE - Id	credits DESC	re credi	*
CAPUT 3 CONTRACT 3 CONTRACT 3	credits DESC	re credi	*
CAPUT 3  CALPUT 3  CALPUT 3  COUSE-ID  102  103  101	Course-now Python Dutablience	re credi	*
CAPUT 3  CALPUT 3  CALPUT 3  CALPUT 3  LIMIT 3  CALPUT 102  102  103  101	Course-now Python Dutablience SQL Basics	re credit	
CAPUT 3  CALPUT 3  CALPUT 3  CAUSE - Id  102  103  101	credits DESC  Conse-nour  Python  Dutablience  SQL Basics	nax grade	
CAPUT 3  CALPUT 3  CALPUT 3  CALPUT 3  LIMIT 3  CALPUT 102  102  103  101	credits DESC  Course-now  Rython  Datablience  SQL Basnes  max (grade) As  min (grade) As	nax grade,	
SPOM CON ORDER BY LIMIT 3  CARPUT  CONSE-ID  102  103  101  Q9  SELECT	redits DESC  Course-now  Postron  Datablience  SQL Basics  max (grade) As  Aug (grade) As  Aug (grade) As	nax grade,	
SPOM CON ORDER BY LIMIT 3  CARPUT  CONSE-ID  102  103  101  Q9  SELECT	redits DESC  Course-now  Postron  Datablience  SQL Basics  max (grade) As  Aug (grade) As  Aug (grade) As	nax grade,	
SPOM CON ORDER BY LIMIT 3  CARPUT  CONSE-ID  102  103  101  Q9  SELECT	redits DESC  Course-now  Postron  Datablience  SQL Basics  max (grade) As  Aug (grade) As  Aug (grade) As	nax grade,	
CAPUT 3  CALPUT 3  CALPUT 3  CALPUT 3  LIMIT 3  CALPUT 102  102  103  101	redits DESC  Course-now  Postron  Datablience  SQL Basics  max (grade) As  Aug (grade) As  Aug (grade) As	nax grade,	

SELECT court id, court (AM) AS consument count SROM Enrollments GROUP BY course id; QIL SEKECT agrantment, Sum (salary) AS Lotal Salary, Sum (bones) As (ofal bonus FROM Salaries SROUP BY departments; autput dependences total Salary 122000 +IR 10 9 000 Frence 012 SELECT department, AVS (Salury) AS dvg Swary From Salaries Shoup BY dynamint HAVING AVG (Saling) > SOOO;

avy-Salary 61000 Firence SELECT employeered, name, Salary, bonus, (Salary + Lonew) AS total\_conjuntation FROM Salaries WHERE total-compensation > 60000; Lotel compartation Salesy nome Spike 6000 70000 5000 67 500p Tyke 62000 Ot OIL SELECT deputment, Sum (budget) AD Lotal-budget; AV9 (budget) As ayg-budget From Placet SROUP BY department HAVING ANG (budget) 77000; output deputment boral-budgert any Judget 270000 Finance 80 000 80 000

QIS SELECT project-id, project-name, degust mest, budget From Projects WHERE budget BETWEEN SOOD AND PRODED AND department 47 Marketing; projectneme Al App Payed System HR Portal END -