HW2	DATABASE				621051	5734	Puvana
(1)	Breifly	exploin	the f	following	Concept	ร แต่	ng your
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	Relational	data mo					
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- Diffen	ence of D	otobose Instanc	e and dotobase system
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			nd Join operation
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ht lunar	ley , can chait	e lich, sun	Forelon key
Student I	D Name Class	No. Condidate	con - Shudont ID or Name
62101	Atom 6/1	Cooth	cos - Student II) or Name are unique)
	Boom 6/1 Cat 6/2	Primmy kay	- ID (con't change)
62104	- Duck //a	5	- Name and Classilo.

62105+5734 Rusana

8. Typer 2,2009 (takes) M Student => filter takes year 3 2009 join with student b. Orycor > 2009 (tales M student)

17 Join takes with student, filter year >, 2009

C. IT ID, name, course_id (student 14 takes)

57 Student join with takes set ID, name, course-id

(4.) Consider the relational database of the following figure. Give an expression in the relation algebra to express each of the following queries employee (person_name, street, city) works (porson name, company name, salary) company (company name, city) -find names of all emplayers who live in "Maimi" T person_name (6 city = "Maimi" (cmployee)) - find names of all employees whose salary is 7 100,000 が Toposom_name (o salary >100,000 (omplayce)) - find the names of all employees who live in "Maimi" and whose salary is greater than 100,000 => The person_name (5 salary > 100000 , city "Maini "(employee)) - find names of all employees who work for " first bank Corp." To person_names (or company_name = "First BankCom")

- find names and cities of residence of all employees who
work for "First Bonk Corporation"
F) To person_hame, city (employee & (ocompany_nome =
"First Bank Corporation" (Worl))
- find the names, street address, and cities of residence
of all employees who work for "First bank Corp"
and earn more than 10,000
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Company_name = "First Bank Corporation (employee A work)
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