Puvone Swatzanith HW3 SQLI 6210545734 1. Explain how the select-where-group-by-having works. a select is used to retrieve data that in the field which 1s/ ere choosen. or from is to choose know which table to used. where is the condition to filter the data to retrieve appely is used to group Hoving is used to filter all group by specific conditions. 2) Using your own example, Explain each type of SQL join operators: Innov Join: Returns records that have matching values in both tables 12 Natural Jain: Returns both date with no duplicate 2 left-outer Join: Returns all records from the left table and the matching records between both table. 2 Right-autor Join: Returns all records from the right table and the matching records between both tables. Hall-outer Jan: Returns both match and unmatch

Puvona Swatvonith (3.) Consider the following expression, which use they result of a relational algebra operation as the imput to another operation. For each expression, translate into SQL. a. o year >, 2009 (takes) M student select \* from takes, student where takes year > 2009 and takes id = student. ID; b. Gyeon 7, 2009 (tokes or student) select \* from takes natural join student where takes. year 2 2009 C. TI ID, name, course\_id (student in takes) select ID, name, cause id from takes natural join student where student. ID = takes. ID;

					Puvene Si	
_					621054	5734
4	Consider	r the	relational	datch	621054	following
tigure.	. Give	SQL co	mmand	to expect	each follow	My queries
				me, street,		
	worl	e (person	- Name.	company_ha	me, salary)	
	Comp	any ( com	pany_na	ne, city)		
9)	select	names				
	TYOM	omplay	SC?			
	where.	Pm Plone	es.city	= "Miomi"		
					7	
<b>b</b> )	select	names				
	from	omplay	es wo	18		
	mhene	employee	s.porson	_ name = u	lork.person_r	e e e
		0,04	4000100	Many 2 100		
		and	maket).	alary > loc	,,,,,	

Puvona Swatromith c) select homes 6210545734 from employees, works where employees.person.name = work.person.name and employees. city="Miami" and works. salary > 100,000; d) Scleot names from employees, works whole employees person\_name = works.person\_name and walks.company-name = First Bank Corporation; e) select names, city from employees, works where employees . person\_name = works . person\_ name and works. company\_name = First bank Corpor 2 hor and . molks. Jalary > 10000;