

SQL-4

In-Equi Joins

Quiz

- What is the wildcard string to get all names that starts with 'a', ends with 'e' and 'h' can be anywhere in between
 - "%ah%e"
 - "a_h%e"
 - "a%h%e"-correct
 - "%a_h_e"
- _ in wildcards mean, it can be any character by strictly there has to be a character in that position?
 - True - correct
 - False
- WHERE employee_name in ('Alan', 'Murphy') AND salary >10. This means give all rows either the employee name is Alan or Murphy or any employees whose salary is >10?
 - True
 - False – correct
- Column_name IN (value_1, value_2, value_3) is same as Column_name='value_1' or Column_name='value_2' or Column_name='value_3'
 - True - correct
 - False
- Whenever a wildcard command is used, it should be followed by LIKE instead of =?
 - True - correct
 - False

Non-equi joins:

Given a Kids_info table and Toys table, Recommend toys to each kid who fall within the age group of toys

```
select * from toys_dataset.Kids_info
```

ID	Age
Alan	2
John	5
harry	10
Fredrick	7
Clinton	6

```
select * from toys_dataset.toys_info
```

Toys	min_age	max_age
Sipper	0	3
Stuff_dolls	3	6
Cars	5	8
Minatures	6	9
Slime	8	11

Non-Equi Join (between)

```
SELECT * FROM toys_dataset.toys_info t  
Join toys_dataset.Kids_info K  
ON K.Age between t.min_age and t.max_age
```

Toys	min_age	max_age	ID	Age
Cars	5	8	John	5
Cars	5	8	Clinton	6
Cars	5	8	Fredrick	7
Sipper	0	3	Alan	2
Slime	8	11	harry	10
Minatures	6	9	Clinton	6
Minatures	6	9	Fredrick	7
Stuff_dolls	3	6	John	5
Stuff_dolls	3	6	Clinton	6

Non-equi joins:

Given a Kids_info table and Toys table, Recommend toys to each kid who are above the min age required for the toys

```
select * from toys_dataset.Kids_info
```

ID	Age
Alan	2
John	5
harry	10
Fredrick	7
Clinton	6

```
select * from toys_dataset.toys_info
```

Toys	min_age	max_age
Sipper	0	3
Stuff_dolls	3	6
Cars	5	8
Minatures	6	9
Slime	8	11

Non-Equi Join >=

```
SELECT * FROM toys_dataset.toys_info t  
Join toys_dataset.Kids_info K  
ON K.Age >= t.min_age
```

Toys	min_age	max_age	ID	Age
Stuff_dolls	3	6	Fredrick	7
Stuff_dolls	3	6	Clinton	6
Stuff_dolls	3	6	John	5
Stuff_dolls	3	6	harry	10
Minatures	6	9	Fredrick	7
Minatures	6	9	Clinton	6
Minatures	6	9	harry	10
Sipper	0	3	Fredrick	7
Sipper	0	3	Clinton	6
Sipper	0	3	Alan	2
Sipper	0	3	John	5
Sipper	0	3	harry	10
Slime	8	11	harry	10
Cars	5	8	Fredrick	7
Cars	5	8	Clinton	6
Cars	5	8	John	5