

## **IN, NOT IN, ANY & ALL in SQL**

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## SQL (Queries & Statements)

### (IN, NOT IN, ANY & ALL)

Consider a table :- Student

| Roll | Name        | Father's name | Marks | City     | Branch |
|------|-------------|---------------|-------|----------|--------|
| 101  | Ajay Singh  | Vinay         | 70    | Lucknow  | CS     |
| 102  | Vinod Yadav | Vijay         | 80    | Kanpur   | EC     |
| 103  | Vijay Kumar | AKash         | 85    | Lucknow  | CS     |
| 104  | Vikas Singh | AKhil         | 60    | Lucknow  | CS     |
| 105  | Anil Verma  | Anurag        | 75    | Varanasi | ME     |
| 106  | Dev. Singh  | Anand         | 90    | Kanpur   | EC     |

Q1) Find the detail of student who belongs to city Lucknow.

Select \* from Student where City = "Lucknow";

Q2) Find the detail of student who belongs to city Lucknow or Kanpur.

Select \* from Student where City = "Lucknow" or City = "Kanpur";

Note:- if there are multiple city from which we have to select the detail then IN will be used.

IN operator:

Select on the basis of any value in the list. (Multiple OR condition)

Select \* from Student where  
City in ('Lucknow', 'Kanpur');

NOT IN: It will retrieve values which is not equal to any value in the list.

Ex Select name of student whose mark is not equal to 70, 75, 90.

⇒ Select Name from Student where  
marks not in (70, 75, 90);

ANY: It will return true if any of the query values meet or say satisfies the condition.

Ex To select Name of Student whose mark is less than 80, 85 or 90.

Select name from Student where  
marks < any (80, 85, 90);

ALL = It will return true if all the  
query values meet the condition i.e.  
if all values are satisfied.

Ex To select name of student whose  
marks less than 90 and 85 and 75.

Select name from Student where  
marks < all (90, 85, 75);

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#### References:

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