**Comparison Operator**

**List of MySQL Comparison Operators**

1. **=** (Equal to)
2. **!= or <>** (Not equal to)
3. **>** (Greater than)
4. **>=** (Greater than or equal to)
5. **<** (Less than)
6. **<=** (Less than or equal to)
7. **BETWEEN** (Between a range)
8. **LIKE** (Pattern matching)
9. **IN** (Matching any value in a list)
10. **IS NULL** (Checking for NULL values)

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| **INSERT** **INTO** students (id,name,marks)  **VALUES** (1,'john',100) , (2,'jana',95),  (3,'David',65),(4,'Mary',88); | |  |  |  | | --- | --- | --- | | ID | Name | Marks | | 1 | John | 100 | | 2 | Jana | 95 | | 3 | David | 65 | | 4 | Mary | 88 | |

|  |  |
| --- | --- |
| **SELECT** \* **FROM** employees **WHERE** salary = 15000; |  |
| **SELECT** \* **FROM** employees **WHERE** salary != 15000; |  |
| **SELECT** \* **FROM** employees WHERE salary <= 15000; |  |
| **SELECT** \* **FROM** employees **WHERE** salary **BETWEEN** 80 **AND** 100;  Another way --  **SELECT** \* **FROM** employees  **WHERE** salary **>=** 80 **AND** salary <= 100 | 80 এবং 100 এর মধ্যে কোনো salary থাকলে, সেগুলো output হবে। |
| **SELECT** \* **FROM** employees **WHERE** name **LIKE** 'J%'; | ‘j” দিয়ে কোনো নাম শুরু হলে, সেগুলো output হবে। |
| **SELECT** \* **FROM** employees **WHERE** name **IN** ('John', 'Jane', 'David');  **SELECT** \* **FROM** employees **WHERE** salary **IN** (65,88,95); | নিদিষ্ট কয়েকটার value এর হলে ,শুধু সেগুলো output হবে। |
| **SELECT** \* **FROM** student **WHERE** name **NOT IN** (‘jara’); | ‘jara’ নাম বাদে বাকি সব গুলো output হবে। |
| **SELECT** \* **FROM** employees **WHERE** salary **IS** **NULL**; |  |
| **SELECT** name **AS** First\_name **FROM** student; | এখানে output এর সময় name column এর পরিবর্তে first\_name দেখাবে। |

* List of Logical Operators:

**AND**

**OR**

**NOT**

|  |  |
| --- | --- |
| **SELECT** \* **FROM** customers **WHERE** age >= 25 **AND** age <= 35; |  |
| **SELECT** \* **FROM** products **WHERE** price > 100 **OR** quantity < 5; |  |
| **SELECT** \* **FROM** orders **WHERE** status **NOT IN** ('shipped', 'cancelled'); |  |
| **SELECT** \* **FROM** customers **WHERE** (age >= 25 **AND** age <= 35) **OR** city = 'New York'; |  |