# Practice Queries

## 1. SELECT

**Query :-** How to query list of actors with metadata in the database.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

<td>  
<pre style="margin: 0; line-height: 125%"><span style="color: #008800; font-weight: bold">SELECT</span> <span style="color: #333333">\*</span> <span style="color: #008800; font-weight: bold">FROM</span> actor  
</pre>  
</td>  
<td>I will use it to extract data from <b>air</b> table.</td>

## 2. SELECT with specific columns or fields

**Query :-** can you query only actor\_name and gender from the database ?

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 3. SELECT with WHERE

**Query :-** can you query only male actors ?

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 4. Renaming Column (Aliases)

**Query :-** can you query only male actors with renaming columns act\_name as Actor Name and act\_gender as Gender

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 5. ORDER BY (Aliases)

**Query :-** can you query movie\_title and movie\_year and then sort year either desc or desc.

**Follow up :-**

1. can you sort by movie\_title and then with year.
2. Can you apply where condtion and order by at a time.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 6. DISTINCT

**Query :-** I want to see all the different roles that are availiable without duplicates.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 7. AND

**Query :-** I want to see the movie details with the name of Verito that's directed in the year 1994

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 8. OR

**Query :-** I want to see a list of movie\_titles that directed in either 2006 or 1994.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 9. NOT

**Query :-** Query all the movie\_titles excluding movies directed in greater than 2000.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 10. BETWEEN

**Query :-** Query all the movie\_titles that are directed between 1994 and 2002.

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## 10. IN

**Query :-** Query all the mov\_id, mov\_title, mov\_year, mov\_lang for movies Vertigo , Innocents and Wings

**Solution :-**

<th>Movie Database</th>  
<th>How will you use it in datalake</th>

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## Extra Functions

<th>String Functions</th>  
<th>Numeric Functions</th>  
<th>Date Functions</th>  
<th>Advanced Functions</th>

<td>  
 <ul>  
 <li> LEN , CHAR\_LENGTH, CHARACTER\_LENGTH</li>  
 <li>CONCAT</li>  
 <li>CONCAT\_WS</li>  
 <li>FORMAT</li>  
 <li>LCASE, LOWER</li>  
 <li>UCASE, UPPER</li>  
 <li>TRIM</li>  
 <li>LEFT</li>  
 <li>RIGHT</li>  
 <li>MID, SUBSTR</li>  
 <li>INSTR</li>  
 </ul>  
</td>  
<td>  
 <li>ABS</li>  
 <li>MAX</li>  
 <li>MIN</li>  
 <li>CEIL</li>  
 <li>FLOOR</li>  
 <li>SUM</li>  
 <li>COUNT</li>  
 <li>ROUND</li>  
</td>  
<td>  
 <ul>  
 <li><a href="https://www.w3schools.com/sql/sql\_ref\_mysql.asp">Important Date functions</a>  
 </ul>  
</td>  
<td>  
 <ul>  
 <li>CASE</li>  
 <li>CAST, CONVERT</li>  
 <li>IF</li>  
 <li>IFNULL</li>  
 <li>ISNULL</li>  
 </ul>  
</td>