



# BASES DE DATOS

FES Aragón  
ICO

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# LMD - Sentencias de selección o consultas

SELECT

[ALL | DISTINCT | DISTINCTROW ]

[HIGH\_PRIORITY]

[STRAIGHT\_JOIN]

[SQL\_SMALL\_RESULT] [SQL\_BIG\_RESULT] [SQL\_BUFFER\_RESULT]

[SQL\_CACHE | SQL\_NO\_CACHE] [SQL\_CALC\_FOUND\_ROWS]

***select\_expr*** [, ***select\_expr*** ...]

[FROM ***table\_references***

[WHERE ***where\_condition***]

[GROUP BY {***col\_name*** | ***expr*** | ***position***}

[ASC | DESC], ... [WITH ROLLUP]]

[HAVING ***where\_condition***]

[ORDER BY {***col\_name*** | ***expr*** | ***position***}

[ASC | DESC], ...]

[LIMIT {[***offset***,] ***row\_count*** | ***row\_count*** OFFSET ***offset***}]

[PROCEDURE ***procedure\_name***(***argument\_list***)]

[INTO OUTFILE '***file\_name***' ***export\_options***

| INTO DUMPFILE '***file\_name***'

| INTO ***var\_name*** [, ***var\_name***]]

[FOR UPDATE | LOCK IN SHARE MODE]]

# Lenguaje de Manejo de Datos (LMD)

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## ■ Select Básico

```
SELECT * FROM alumnos;
```

# Lenguaje de Manejo de Datos (LMD)

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- Clausulas del comando SELECT
  - DISTINCT
  - FROM
  - WHERE
  - GROUP BY
  - HAVING
  - ORDER BY
  - LIMIT

# Lenguaje de Manejo de Datos (LMD)

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- Seleccionar renglones (SELECCION)

```
SELECT * FROM alumnos  
WHERE status_alu = 'BA';
```

```
SELECT * FROM alumnos  
WHERE status_alu = 'BA'  
AND sexo = 'F';
```

# Lenguaje de Manejo de Datos (LMD)

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- Seleccionar columnas (PROYECCION)

```
SELECT clave_alu, ap_paterno, ap_materno,  
nombre, curp  
FROM alumnos;
```

```
SELECT clave_alu, status_alu FROM alumnos;
```

# Lenguaje de Manejo de Datos (LMD)

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- Seleccionar columnas y renglones  
(PROYECCION y PROYECCION)

```
SELECT clave_alu, ap_paterno, ap_materno,  
nombre, curp
```

```
FROM alumnos
```

```
WHERE curp = " AND status_alu = 'BA';
```

# Lenguaje de Manejo de Datos (LMD)

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## ■ Ordenar Resultados

```
SELECT clave_alu, ap_paterno, ap_materno,  
nombre, status_alu  
FROM alumnos  
ORDER BY ap_paterno, ap_materno, nombre;
```



# Lenguaje de Manejo de Datos (LMD)

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## ■ Ordenar Resultados Descendente

```
SELECT clave_alu, ap_paterno, ap_materno,  
nombre, status_alu  
FROM alumnos  
ORDER BY status_alu DESC, ap_paterno,  
ap_materno, nombre;
```

# Lenguaje de Manejo de Datos (LMD)

---

## ■ DISTINCT

```
SELECT nombre FROM alumnos  
ORDER BY 1;
```

```
SELECT DISTINCT nombre  
FROM alumnos ORDER BY 1;
```

# Lenguaje de Manejo de Datos (LMD)

---

## ■ DISTINCT

```
SELECT nombre, ap_paterno  
FROM alumnos ORDER BY 1;
```

```
SELECT DISTINCT nombre, ap_paterno  
FROM alumnos ORDER BY 1;
```

# Lenguaje de Manejo de Datos (LMD)

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## ■ Resultados a Archivos

```
SELECT clave_alu, nombre  
INTO OUTFILE '/tmp/resultF.txt'  
    FIELDS TERMINATED BY ',' OPTIONALLY  
    ENCLOSED BY '"'  
    LINES TERMINATED BY '\n'  
FROM alumnos  
WHERE sexo = 'F';
```

# Lenguaje de Manejo de Datos (LMD)

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## ■ LIMIT

```
SELECT * FROM alumnos LIMIT 1,10;
```

```
SELECT clave_alu, ap_paterno, ap_materno,  
nombre, curp
```

```
FROM alumnos
```

```
WHERE curp = " AND status_alu <> 'BA'
```

```
ORDER BY 1
```

```
LIMIT 100, 10;
```

# Lenguaje de Manejo de Datos (LMD)

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## ■ Agrupamientos

```
SELECT ciudad, COUNT(*) FROM alumnos  
GROUP BY ciudad;
```

```
SELECT sexo, COUNT(*) FROM alumnos  
GROUP BY sexo;
```

# Lenguaje de Manejo de Datos (LMD)

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## ■ Agrupamientos

```
SELECT sexo, ciudad, COUNT(*)  
FROM alumnos  
GROUP BY sexo, ciudad;
```

# Lenguaje de Manejo de Datos (LMD)

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- Selección de resultados de Agrupamientos

```
SELECT sexo, ciudad, COUNT(*)  
FROM alumnos  
GROUP BY sexo, ciudad  
HAVING COUNT(*) >= 10;
```