BBDD 2020 – 2021 Ejercicios:

Orden **Select** Sintaxis 01:

**Select** [DISTINCT][\*,nombre de columna1, nombre de columna2, ….] [**as** alías]

[Funciones: CONCAT, ….]

**[FROM** nombre de la tabla1 alias, [nombre de la tabla2 alias,...]]

[**WHERE** condición] [Funciones: CONCAT, ….]

[**ORDER BY** nº de orden , ,nombre de columna1, nombre de columna2, ...]

**Ejercicios:**

**Ejercicio 01: Mostrar los nombres de alumnos de primero ordenados alfabéticamente:**

[**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) **`name` FROM `student\_first` ORDER BY 1**

**Ejercicio 02: Mostrar los nombres de alumnos y apellidos alfabéticamente**

[**SELECT**](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) **`name`, FROM `student\_first` ORDER BY 1**

**Ejercicio 03: Mostrar los nombres de alumnos de forma completa**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `surname`,`name` FROM `student\_first` WHERE 1 ORDER BY 2,1

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) concat(`surname`,",",`name`) as nombre FROM `student\_first` ORDER BY 1

**Ejercicio 04 Obtener la fecha actual y la fecha de mi nacimiento**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) now(), [date](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(now()), [date](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)("19961-03-12 12:30:21")

**Ejercicio 05 listar los años de nacimiento ordenados alfabéticamente de los alumnos de primero**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`)as "año de nacimiento" FROM `student\_first` ORDER BY 1

**Ejercicio 06 listar los meses de nacimiento ordenados alfabéticamente de los alumnos de primero:**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT month(`birthdate`), concat(month(`birthdate`)," - ", monthname(`birthdate`)) as " mes de nacimiento" FROM `student\_first` ORDER BY 1

**Ejercicio 07 listar por día de nacimiento ordenados alfabéticamente de los alumnos de primero:**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT day(`birthdate`)as "dia del mes", DAYOFMONTH(`birthdate`)as "dia del mes", DAYNAME(`birthdate`)as "nombre del día de la semana", DAYOFWEEK(`birthdate`)as "día de la semana" FROM student\_first ORDER BY 1

**Ejercicio 08 listar la hora, minuto y segundo actual.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [time](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(now()),hour(now()), minute(now()),second(now())

**Ejercicio 09 mostrar el siguiente literal**

**Hoy es thursday, 15 de October, del año 2020 y son las 10 horas, 18 minutos y 34 segundos.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) concat( "Hoy es ", dayname(now()), ", ", day(now()), " de ", monthname(now()), ", del año ", [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(now()), " y son las ", hour(now()), " horas, ", minute(now()), " minutos y ", second(now()), "segundos") as mensaje

**Ejercicio 10 Mostrar el siguiente mensaje por cada persona.**

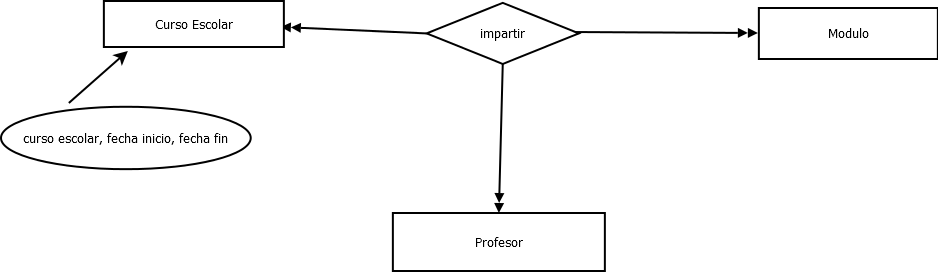
**fulanito nació un lunes, 15 de Octubre, del año 1998.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) concat(`surname`, ", ", `name`, " nació un ", ([Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) diaEspañol from semana where USA = dayofweek(`birthdate`)), ", ", dayofmonth(`birthdate`), " de ", ([Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) mesEspañol from mes where NumeroMes = month(`birthdate`)), ", del año ", [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`) ) FROM `person` ORDER BY 1

**Ejercicio 11 Mostrar las personas que han nacido en el siglo XXI**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `person` WHERE [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`) > 2000

**Ejercicio 12. Análisis: Requisito: Reflejar que los profesores impartan módulos, indica el curso escolar.**



**Ejercicio 13. Mayusculas y minuscula**

**SELECT concat(**

**upper(concat(`surname`, ", ", `name`)),**

**" nació un ",**

**lower((Select diaEspañol from semana where USA = dayofweek(`birthdate`))),**

**", ",**

**dayofmonth(`birthdate`),**

**" de ",**

**upper((Select mesEspañol from mes where NumeroMes = month(`birthdate`))),**

**", del año ",**

**year(`birthdate`) )**

**FROM `person` ORDER BY 1**

**Ejercicio 14. Análisis: Requisito: Reflejar los alumnos con sus módulos a cursar, indica el curso escolar. Contar con los módulos aprobados o convalidados.**

**Ejercicio 15. Con left() obtener el año de una fecha**

**Ejercicio 16. Con rigth() obtener el día de una fecha**

**Ejercicio 17. Con mid() o substr() obtener el mes de una fecha**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `birthdate`,[RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_right)(`birthdate`,2) as dia, [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left)(`birthdate`,4) as año, mid(`birthdate`,6,2) as mes FROM `person` WHERE 1

**Ejercicio 18 Convertir birthdate de person a formato europeo**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `birthdate`, concat([RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_right)(`birthdate`,2), "-", mid(`birthdate`,6,2), "-" ,[LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left)(`birthdate`,4) ) as fechaNacimiento FROM `person` WHERE 1

**Ejercicio 19 Mostrar los palíndromos existente en el nombre de la persona.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `name` FROM `person` WHERE reverse(`name`) = `name`

**Ejercicio 20 Mostrar los palíndromos existente en el nombre del municipio.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `municipality` WHERE reverse(`municipalityName`) = `municipalityName` ORDER BY `municipalityName` ASC

**Ejercicio 21 Mostrar los nombres compuestos de persona**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) name, char\_length(name) FROM `person` WHERE locate(" ",`name`)

**Ejercicio 22 Cambiar a la fecha el carácter “-” por “/”**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html)([INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html)(`birthdate`, 5, 1, "/"),8,1,"/") FROM `person` WHERE 1

**Ejercicio 23 separar apellidos**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left)(`surname`, locate(" ", `surname`)-1), [right](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_right)(`surname`,char\_length(surname) - locate(" ",`surname`)), mid(`surname`,locate(" ",`surname`)+1) FROM `person` WHERE 1

**Ejercicio 24 Mostrar los apellidos en una sola columna**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left)(`surname`, locate(" ", `surname`)-1) FROM `person` WHERE 1

UNION ALL

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) mid(`surname`,locate(" ",`surname`)+1) FROM `person` WHERE 1 ORDER BY 1 DESC

**Ejercicio 25 repeat mysql**

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) [view](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) repeat\_mysql AS [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [repeat](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_repeat)("mysql ",3) UNION ALL [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [repeat](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_repeat)("mysql ",3) UNION ALL [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [repeat](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_repeat)("mysql ",3) UNION ALL [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [repeat](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_repeat)("mysql ",3) UNION ALL [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [repeat](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_repeat)("mysql ",3)

**Ejercicio 26 Mostrar la cadena anterior con la palabra central en mayúscula**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) concat(lcase([LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_left)(`mysql`,6)),upper(mid(`mysql`,7,5)),lcase([RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_right)(`mysql`,6)))FROM `repeat\_mysql` WHERE 1

**Ejercicio 26 Mostrar los nombres de provincias que contenga al menos una “v” o al menos una “B”**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%v%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%b%"

**Ejercicio 27 Mostrar los nombres de provincias que comiencen por una “v” o una “B”**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "v%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "b%"

**Ejercicio 28 Mostrar los nombres de provincias que NO contenga ni “v” ni “B”**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE !(`ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%v%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%b%")

**Ejercicio 29 Mostrar los nombres de provincias que comiencen por vocal**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "a%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "e%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "i%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "o%" [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) `ProvinceName` [like](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "u%"

**Ejercicio 30 Nombres de provincias con más de 10 caracteres**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE char\_length(`ProvinceName`)> 10

**Ejercicio 31 Nombres de provincias entre 5 y 10 caracteres**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE char\_length(`ProvinceName`) BETWEEN 5 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) 10

**Ejercicio 32 Nombres de provincias con espacio.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM `province` WHERE locate(" ",`ProvinceName`) > 0

**Ejercicio 33 Los días que restan para final de mes**

**Ejercicio 34 La media de horas semanales de los módulos de primero**

**Ejercicio 35 Los módulos cuya hora semanal sea superior a la media semanal del curso primero.**

**Ejercicio 36. Sumar el valor del código postal de la tabla person**

**Ejercicio 37**