Script crear la base de datos;

CREATE DATABASE bd\_empresa;

Script para crear tabla áreas:

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) `bd\_empresa`.`areas` ( `id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT COMMENT 'Identificador del área' , `nombre` [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Nombre del área de la empresa' , PRIMARY KEY (`id`)) ENGINE = InnoDB;

Script para crear tabla empleado\_rol:

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) `bd\_empresa`.`empleado\_rol` ( `empleado\_id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Identificador del empleado' , `rol\_id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Identificador del rol' ) ENGINE = InnoDB;

Script para crear tabla empleados:

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) `bd\_empresa`.`empleados` ( `id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT COMMENT 'Identificador del empleado' , `nombre` [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Nombre completo del empleado. Campo tipo Text.Solo debe permitir letras con o sin tilde y espacios. No se admiten caracteres especiales ni números.\r\nObligatorio.' , `email` [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Correo electrónico del empleado. Campo de tipo Text|Email. Solo permite una estructura de correo. Obligatorio.' , `sexo` [CHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(1) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Campo de tipo Radio Button. M para Masculino. F para Femenino. Obligatorio.' , `area\_id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Area de la empresa a la que pertenece el empleado. Campo de tipo Select.\r\nObligatorio.' , `boletin` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html)(11) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT '1 para Recibir boletín. 0 para No recibir boletín. Campo de tipo Checkbox.\r\nOpcional.' , `descripcion` [TEXT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Se describe la experiencia del empleado. Campo de tipo textarea. Obligatorio.' , PRIMARY KEY (`id`)) ENGINE = InnoDB;

Script para crear tabla roles:

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) `bd\_empresa`.`roles` ( `id` [INT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL AUTO\_INCREMENT COMMENT 'Identificador del rol' , `nombre` [VARCHAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(255) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) NULL COMMENT 'Nombre del Rol' , PRIMARY KEY (`id`)) ENGINE = InnoDB;

Creando llave foránea en empleados para relacionar con área:

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `bd\_empresa`.`empleados` ADD INDEX `FK\_id\_relacion` (`id`);

Crear relación empleados con área:

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `empleados` ADD FOREIGN KEY (`area\_id`) REFERENCES `areas`(`id`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) CASCADE;

Creación foráneas para relación con la tabla empleado\_rol:

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `bd\_empresa`.`empleado\_rol` ADD INDEX `FK\_id\_empleado` (`empleado\_id`);

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `bd\_empresa`.`empleado\_rol` ADD UNIQUE `FK\_id\_rol` (`rol\_id`);

Relacion entre empleado\_rol con empleados:

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `empleado\_rol` ADD FOREIGN KEY (`empleado\_id`) REFERENCES `empleados`(`id`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) CASCADE;

Relacion entre empleado\_rol con roles:

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) `empleado\_rol` ADD FOREIGN KEY (`rol\_id`) REFERENCES `roles`(`id`) ON [DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/delete.html) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) CASCADE;

Insertando un dato para mínimo uso en áreas:

INSERT INTO `areas` (`id`, `nombre`) VALUES (NULL, 'nuevo');