1.

CREATE TABLE `sys`.`students` (

`id` INT NOT NULL,

`name` VARCHAR(255),

`first\_name` VARCHAR(255),

`year\_of\_birth` DATE,

`gpa` FLOAT UNSIGNED,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8;

2.

GREATE TABLE `sys`.`books\_library` (

`id` INT NOT NULL,

`name\_of\_book` VARCHAR(45) NOT NULL,

`author\_of\_book` VARCHAR(45) NOT NULL,

`year\_of\_publishing` YEAR(4) NOT NULL,

`genre` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id’ ))

ENGINE = InnoDB

DEFAULT CHARACTED SET = utf8;

3.

INSERT INTO `sys`.`books\_library` (`id`, `name\_of\_book`, `author\_of\_book`, `year\_of\_publishing`, `genre`)

VALUES ('1', 'Povelitil muh', 'William Golding', '1954', 'Roman');

4.

UPDATE `sys`.`products`

SET `price` = `price` \* 1.1

WHERE `price` < 1000;

5.

SELECT \*

FROM sys.products

ORDER BY `price` DESC

LIMIT 3;

6.

DELETE FROM `sys`.`employees`

WHERE (`departament\_id` = '3');

7.

ALTER TABLE `sys`.`students2`

ADD CONSTRAINT `id\_fk`

FOREIGN KEY (`student\_id`)

REFERENCES `sys`.`courses` (`course\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION;

8.

SELECT `sys`.`departaments`.`departament\_name`, COUNT(`sys`.`employees`.`employee\_id`) AS employee\_count

FROM `sys`.`departaments`

LEFT JOIN `sys`.`employees` ON `sys`.`departaments`.`departament\_id`= `sys`.`employees`.`departament\_id`

GROUP BY `sys`.`departaments`.`departament\_name`;

9.

SELECT `sys`.`students`.`student\_name`, `sys`.`groups`.`group\_name`

FROM `sys`.`students`

INNER JOIN `sys`.`groups` ON `sys`.`students`.`group\_id`= `sys`.`groups`.`group\_id`;

10.

SELECT `sys`.`books`.`book\_title`, `sys`.`authors`.`author\_name`

FROM `sys`.`books`

INNER JOIN `sys`.`authors` ON `sys`.`authors`.`author\_id` = `sys`.`books`.`author\_id`