**1. Companies table**

CREATE TABLE `companies` (

`company\_id` int NOT NULL AUTO\_INCREMENT,

`company\_name` varchar(50) NOT NULL,

PRIMARY KEY (`company\_id`),

UNIQUE KEY `company\_name\_UNIQUE` (`company\_name`)

) ENGINE=InnoDB AUTO\_INCREMENT=5 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

**2. Servers table**

CREATE TABLE `servers` (

`server\_id` int NOT NULL AUTO\_INCREMENT,

`name` varchar(50) NOT NULL,

`ip` varchar(50) NOT NULL,

`hosting\_company\_id` int NOT NULL,

`status` tinyint NOT NULL,

`create\_server\_time` datetime NOT NULL,

PRIMARY KEY (`server\_id`),

KEY `FK\_company\_name` (`hosting\_company\_id`),

CONSTRAINT `FK\_company\_name` FOREIGN KEY (`hosting\_company\_id`) REFERENCES `companies` (`company\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=141 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

**3. Join table**

SELECT s.server\_id, s.name, s.ip, c.company\_name as companyName, s.is\_server\_on as status, s.create\_server\_time as serverTime FROM servers s JOIN companies c ON s.hosting\_company\_id = c.company\_id

**How to create FK ?**

ALTER TABLE servers

ADD CONSTRAINT FK\_company\_name

FOREIGN KEY (hosting\_company\_id) REFERENCES companies(company\_id);

**How to create an Enum list in MySQL ?**

ALTER TABLE company MODIFY COLUMN company\_name

ENUM('Microsoft','IBM','GoDaddy','DigitalO');