# Database:

Create database administrative\_portal;

Use administrative\_portal;

|  |
| --- |
| -- |
|  | -- Table structure for table `classes` |
|  | -- |
|  |  |
|  | CREATE TABLE `classes` ( |
|  | `id` int(11) NOT NULL, |
|  | `section` int(55) NOT NULL, |
|  | `teacher` int(11) NOT NULL, |
|  | `subject` int(11) NOT NULL, |
|  | `time` varchar(44) NOT NULL |
|  | ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4; |
|  |  |
|  | -- |
|  | -- Dumping data for table `classes` |
|  | -- |
|  |  |
|  | INSERT INTO `classes` (`id`, `section`, `teacher`, `subject`, `time`) VALUES |
|  | (1, 1, 1, 1, '9:00'), |
|  | (2, 3, 2, 2, '11:30'); |
|  |  |
|  | -- -------------------------------------------------------- |
|  |  |
|  | -- |
|  | -- Table structure for table `students` |
|  | -- |
|  |  |
|  | CREATE TABLE `students` ( |
|  | `id` int(11) NOT NULL, |
|  | `fname` varchar(55) NOT NULL, |
|  | `lname` varchar(55) NOT NULL, |
|  | `age` int(11) DEFAULT NULL, |
|  | `class` int(11) NOT NULL |
|  | ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4; |
|  |  |
|  | -- |
|  | -- Dumping data for table `students` |
|  | -- |
|  |  |
|  | INSERT INTO `students` (`id`, `fname`, `lname`, `age`, `class`) VALUES |
|  | (1, 'Ali', 'Ahsan', 21, 1), |
|  | (2, 'Hassan', 'Ahmed', 23, 2), |
|  | (4, 'Gazi', 'Dani', 21, 1), |
|  | (5, 'Tony', 'Fadel', 18, 2), |
|  | (6, 'Lami', 'Saro', 24, 1), |
|  | (7, 'Yazen', 'Rawn', 24, 2); |
|  |  |
|  | -- -------------------------------------------------------- |
|  |  |
|  | -- |
|  | -- Table structure for table `subjects` |
|  | -- |
|  |  |
|  | CREATE TABLE `subjects` ( |
|  | `id` int(11) NOT NULL, |
|  | `name` varchar(55) NOT NULL, |
|  | `shortcut` varchar(50) NOT NULL |
|  | ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4; |
|  |  |
|  | -- |
|  | -- Dumping data for table `subjects` |
|  | -- |
|  |  |
|  | INSERT INTO `subjects` (`id`, `name`, `shortcut`) VALUES |
|  | (1, 'English', 'ENG'), |
|  | (2, 'Mathematics', 'MATH'); |
|  |  |
|  | -- -------------------------------------------------------- |
|  |  |
|  | -- |
|  | -- Table structure for table `teachers` |
|  | -- |
|  |  |
|  | CREATE TABLE `teachers` ( |
|  | `id` int(11) NOT NULL, |
|  | `fname` varchar(55) NOT NULL, |
|  | `lname` varchar(55) NOT NULL, |
|  | `age` varchar(11) DEFAULT NULL |
|  | ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4; |
|  |  |
|  | -- |
|  | -- Dumping data for table `teachers` |
|  | -- |
|  |  |
|  | INSERT INTO `teachers` (`id`, `fname`, `lname`, `age`) VALUES |
|  | (1, 'Sami', 'Rashed', '55'), |
|  | (2, 'Rami', 'Sari', '66'); |
|  |  |
|  | -- |
|  | -- Indexes for dumped tables |
|  | -- |
|  |  |
|  | -- |
|  | -- Indexes for table `classes` |
|  | -- |
|  | ALTER TABLE `classes` |
|  | ADD PRIMARY KEY (`id`), |
|  | ADD KEY `subject\_id` (`subject`), |
|  | ADD KEY `teacher\_id` (`teacher`); |
|  |  |
|  | -- |
|  | -- Indexes for table `students` |
|  | -- |
|  | ALTER TABLE `students` |
|  | ADD PRIMARY KEY (`id`), |
|  | ADD KEY `class\_id` (`class`); |
|  |  |
|  | -- |
|  | -- Indexes for table `subjects` |
|  | -- |
|  | ALTER TABLE `subjects` |
|  | ADD PRIMARY KEY (`id`); |
|  |  |
|  | -- |
|  | -- Indexes for table `teachers` |
|  | -- |
|  | ALTER TABLE `teachers` |
|  | ADD PRIMARY KEY (`id`); |
|  |  |
|  | -- |
|  | -- AUTO\_INCREMENT for dumped tables |
|  | -- |
|  |  |
|  | -- |
|  | -- AUTO\_INCREMENT for table `classes` |
|  | -- |
|  | ALTER TABLE `classes` |
|  | MODIFY `id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=3; |
|  |  |
|  | -- |
|  | -- AUTO\_INCREMENT for table `students` |
|  | -- |
|  | ALTER TABLE `students` |
|  | MODIFY `id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=8; |
|  |  |
|  | -- |
|  | -- AUTO\_INCREMENT for table `subjects` |
|  | -- |
|  | ALTER TABLE `subjects` |
|  | MODIFY `id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=3; |
|  |  |
|  | -- |
|  | -- AUTO\_INCREMENT for table `teachers` |
|  | -- |
|  | ALTER TABLE `teachers` |
|  | MODIFY `id` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=3; |
|  |  |
|  | -- |
|  | -- Constraints for dumped tables |
|  | -- |
|  |  |
|  | -- |
|  | -- Constraints for table `classes` |
|  | -- |
|  | ALTER TABLE `classes` |
|  | ADD CONSTRAINT `subject\_id` FOREIGN KEY (`subject`) REFERENCES `subjects` (`id`), |
|  | ADD CONSTRAINT `teacher\_id` FOREIGN KEY (`teacher`) REFERENCES `teachers` (`id`); |
|  |  |
|  | -- |
|  | -- Constraints for table `students` |
|  | -- |
|  | ALTER TABLE `students` |
|  | ADD CONSTRAINT `class\_id` FOREIGN KEY (`class`) REFERENCES `classes` (`id`); |
|  | COMMIT; |
|  |  |
|  | /\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/; |
|  | /\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/; |
|  | /\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/; |

mysql> use administrative\_portal;

Database changed

mysql> show tables;

+---------------------------------+

| Tables\_in\_administrative\_portal |

+---------------------------------+

| classes |

| students |

| subjects |

| teachers |

+---------------------------------+

4 rows in set (2.21 sec)

mysql> select \* from classes;

+----+---------+---------+---------+-------+

| id | section | teacher | subject | time |

+----+---------+---------+---------+-------+

| 1 | 1 | 1 | 1 | 9:00 |

| 2 | 3 | 2 | 2 | 11:30 |

+----+---------+---------+---------+-------+

2 rows in set (1.61 sec)

mysql> select \* from students;

+----+--------+-------+------+-------+

| id | fname | lname | age | class |

+----+--------+-------+------+-------+

| 1 | Ali | Ahsan | 21 | 1 |

| 2 | Hassan | Ahmed | 23 | 2 |

| 4 | Gazi | Dani | 21 | 1 |

| 5 | Tony | Fadel | 18 | 2 |

| 6 | Lami | Saro | 24 | 1 |

| 7 | Yazen | Rawn | 24 | 2 |

+----+--------+-------+------+-------+

6 rows in set (0.28 sec)

mysql> select \* from subjects;

+----+-------------+----------+

| id | name | shortcut |

+----+-------------+----------+

| 1 | English | ENG |

| 2 | Mathematics | MATH |

+----+-------------+----------+

2 rows in set (0.23 sec)

mysql> select \* from teachers;

+----+-------+--------+------+

| id | fname | lname | age |

+----+-------+--------+------+

| 1 | Sami | Rashed | 55 |

| 2 | Rami | Sari | 66 |

+----+-------+--------+------+

2 rows in set (0.28 sec)