

```

--
-- Database: `sqlclassign`
--

-- -----

--
-- Table structure for table `batch`
--

CREATE TABLE `batch` (
  `batch_id` int(11) NOT NULL,
  `course_id` int(11) NOT NULL,
  `facilitator_id` int(11) NOT NULL,
  `start_date` varchar(50) NOT NULL,
  `timing` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `batch`
--

INSERT INTO `batch` (`batch_id`, `course_id`, `facilitator_id`,
`start_date`, `timing`) VALUES
(1, 1, 2, '25Aug', 8),
(2, 2, 4, '15Sep', 10),
(3, 3, 4, '8Oct', 5),
(4, 6, 5, '22Oct', 6);

-- -----

--
-- Table structure for table `courses`
--

CREATE TABLE `courses` (
  `course_id` int(11) NOT NULL,
  `name` varchar(100) NOT NULL,
  `fees` int(11) NOT NULL,
  `duration` int(11) NOT NULL,
  `duration_type` enum('D','W','M','Y') NOT NULL,
  `status` tinyint(4) NOT NULL,
  `added_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `courses`
--

INSERT INTO `courses` (`course_id`, `name`, `fees`, `duration`,
`duration_type`, `status`, `added_date`) VALUES

```

```
(1, 'Core Java', 12000, 8, 'W', 1, '2016-08-17 05:06:50'),
(2, 'Advanced Java', 20000, 8, 'W', 1, '2016-08-17 05:07:16'),
(3, 'Android', 15000, 7, 'W', 1, '2016-08-17 05:07:45'),
(4, 'QA', 22000, 6, 'D', 1, '2016-08-17 05:08:17'),
(5, 'Python', 18000, 7, 'W', 1, '2016-08-17 05:28:11'),
(6, 'PHP & JS', 16500, 6, 'M', 1, '2016-08-12 03:03:41');
```

```
-- -----
```

```
--
-- Table structure for table `enquiries`
--
```

```
CREATE TABLE `enquiries` (
  `enquiry_id` int(11) NOT NULL,
  `first_name` varchar(50) NOT NULL,
  `last_name` varchar(50) NOT NULL,
  `email` varchar(100) NOT NULL,
  `contact_no` varchar(50) NOT NULL,
  `course_id` int(11) NOT NULL,
  `timing` int(11) NOT NULL,
  `faculty_id` int(11) NOT NULL,
  `enquiry_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `enquiries`
--
```

```
INSERT INTO `enquiries` (`enquiry_id`, `first_name`, `last_name`,
`email`, `contact_no`, `course_id`, `timing`, `faculty_id`,
`enquiry_date`) VALUES
(1, 'Prarthana', 'Pradhan', 'prathnapradhan@yahoo.com', '9843599484',
1, 2, 1, '2016-08-17 05:10:47'),
(2, 'JongIn', 'Kim', 'kai@gmail.com', '023562543', 5, 2, 2, '2016-08-
17 05:30:46'),
(3, 'kyungsoo', 'Do', 'kaisoo@gmail.com', '9843598788', 3, 7, 1,
'2016-08-17 05:30:46'),
(4, 'Chanyeol', 'Park', 'channie@gmail.com', '9842649149', 3, 4, 2,
'2016-08-17 05:32:03'),
(5, 'Sehun', 'Oh', 'sehuna123@gmail.com', '9851156782', 3, 8, 8,
'2016-08-12 02:46:06'),
(6, 'Yixing', 'Zhang', 'lay45@yahoo.com', '8734456298', 2, 5, 7,
'2016-08-12 02:46:06'),
(7, 'Baekhyun', 'Byun', 'khaepson@gmail.com', '9867534267', 1, 10, 6,
'2016-08-12 02:47:44'),
(8, 'JoonMyun', 'Kim', 'suhoshrek@gmail.com', '987689564', 5, 4, 5,
'2016-08-12 02:47:44'),
(9, 'JongDae', 'Kim', 'chenexo@yahoo.com', '97233345675', 3, 9, 4,
'2016-08-12 02:50:01'),
(10, 'MinSeok', 'Kim', 'xuiminhan@gmail.com', '9867856435', 2, 8, 3,
'2016-08-12 02:50:01');
```

```

-- -----

--
-- Table structure for table `enrollments`
--

CREATE TABLE `enrollments` (
  `enroll_id` int(11) NOT NULL,
  `batch_id` int(11) NOT NULL,
  `student_id` int(11) NOT NULL,
  `enroll_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `enrollments`
--

INSERT INTO `enrollments` (`enroll_id`, `batch_id`, `student_id`,
`enroll_date`) VALUES
(1, 1, 2, '2016-08-12 03:19:03'),
(2, 3, 1, '2016-08-12 03:19:03'),
(3, 2, 4, '2016-08-12 09:47:18'),
(4, 3, 3, '2016-08-12 09:47:18');

-- -----

--
-- Table structure for table `facilitator`
--

CREATE TABLE `facilitator` (
  `facilitator_id` int(11) NOT NULL,
  `fac_firstname` varchar(50) NOT NULL,
  `fac_lastname` varchar(50) NOT NULL,
  `email_id` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `facilitator`
--

INSERT INTO `facilitator` (`facilitator_id`, `fac_firstname`,
`fac_lastname`, `email_id`) VALUES
(1, 'Robbie', 'Maharjan', 'ravimaharjan@gmail.com'),
(2, 'Dixanta', 'Shrestha', 'dixantashrestha@gmail.com'),
(3, 'Vernon', 'Choi', 'seventeenvernon@gmail.com'),
(4, 'Mingyu', 'Kim', '7teenming@yahoo.com'),
(5, 'Sanarika', 'Tuladhar', 'sanarika@gmail.com'),
(6, 'Evanika', 'Deshar', 'uvjan@yahoo.com');

```

```

--
-- Table structure for table `faculty`
--

CREATE TABLE `faculty` (
  `faculty_id` int(11) NOT NULL,
  `faculty_name` varchar(100) NOT NULL,
  `added_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `faculty`
--

INSERT INTO `faculty` (`faculty_id`, `faculty_name`, `added_date`)
VALUES
(1, 'BE Computer', '2016-08-17 05:13:11'),
(2, 'BIT', '2016-08-17 05:13:11'),
(3, 'BEX', '2016-08-17 05:32:55'),
(4, 'BA', '2016-08-17 05:32:55'),
(5, 'BCompSc', '2016-08-17 05:37:57'),
(6, 'BCompSec', '2016-08-17 05:37:57'),
(7, 'Bachelors in Network Architect', '2016-08-12 02:42:56'),
(8, 'BAppDeveloper', '2016-08-12 02:42:56');

-----

--
-- Table structure for table `student`
--

CREATE TABLE `student` (
  `student_id` int(11) NOT NULL,
  `student_firstname` varchar(50) NOT NULL,
  `student_lastname` varchar(50) NOT NULL,
  `college` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `student`
--

INSERT INTO `student` (`student_id`, `student_firstname`,
`student_lastname`, `college`) VALUES
(1, 'Prarthana', 'Pradhan', 'KEC'),
(2, 'JongIn', 'Kim', 'Seoul University'),
(3, 'Chanyeol', 'Park', 'Parang University'),
(4, 'Baekhyun', 'Byun', 'MIT');

--
-- Indexes for dumped tables

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```

--

--
-- Indexes for table `batch`
--
ALTER TABLE `batch`
  ADD PRIMARY KEY (`batch_id`),
  ADD KEY `course_id` (`course_id`),
  ADD KEY `facilitator_id` (`facilitator_id`);

--
-- Indexes for table `courses`
--
ALTER TABLE `courses`
  ADD PRIMARY KEY (`course_id`);

--
-- Indexes for table `enquiries`
--
ALTER TABLE `enquiries`
  ADD PRIMARY KEY (`enquiry_id`),
  ADD KEY `course_id` (`course_id`),
  ADD KEY `faculty_id` (`faculty_id`);

--
-- Indexes for table `enrollments`
--
ALTER TABLE `enrollments`
  ADD PRIMARY KEY (`enroll_id`),
  ADD KEY `batch_id` (`batch_id`),
  ADD KEY `student_id` (`student_id`);

--
-- Indexes for table `facilitator`
--
ALTER TABLE `facilitator`
  ADD PRIMARY KEY (`facilitator_id`);

--
-- Indexes for table `faculty`
--
ALTER TABLE `faculty`
  ADD PRIMARY KEY (`faculty_id`);

--
-- Indexes for table `student`
--
ALTER TABLE `student`
  ADD PRIMARY KEY (`student_id`);

--
-- AUTO_INCREMENT for dumped tables

```

```

--
--
-- AUTO_INCREMENT for table `batch`
--
ALTER TABLE `batch`
  MODIFY `batch_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `courses`
--
ALTER TABLE `courses`
  MODIFY `course_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=8;
--
-- AUTO_INCREMENT for table `enquiries`
--
ALTER TABLE `enquiries`
  MODIFY `enquiry_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=12;
--
-- AUTO_INCREMENT for table `enrollments`
--
ALTER TABLE `enrollments`
  MODIFY `enroll_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `facilitator`
--
ALTER TABLE `facilitator`
  MODIFY `facilitator_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `faculty`
--
ALTER TABLE `faculty`
  MODIFY `faculty_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=11;
--
-- AUTO_INCREMENT for table `student`
--
ALTER TABLE `student`
  MODIFY `student_id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=5;
--
-- Constraints for dumped tables
--
--
-- Constraints for table `batch`
--
ALTER TABLE `batch`

```

```

    ADD CONSTRAINT `batch_ibfk_1` FOREIGN KEY (`course_id`) REFERENCES
`courses` (`course_id`),
    ADD CONSTRAINT `batch_ibfk_2` FOREIGN KEY (`facilitator_id`)
REFERENCES `facilitator` (`facilitator_id`);

```

```

--
-- Constraints for table `enquiries`
--

```

```

ALTER TABLE `enquiries`
    ADD CONSTRAINT `enquiries_ibfk_1` FOREIGN KEY (`course_id`)
REFERENCES `courses` (`course_id`),
    ADD CONSTRAINT `enquiries_ibfk_2` FOREIGN KEY (`faculty_id`)
REFERENCES `faculty` (`faculty_id`);

```

```

--
-- Constraints for table `enrollments`
--

```

```

ALTER TABLE `enrollments`
    ADD CONSTRAINT `enrollments_ibfk_1` FOREIGN KEY (`batch_id`)
REFERENCES `batch` (`batch_id`),
    ADD CONSTRAINT `enrollments_ibfk_2` FOREIGN KEY (`student_id`)
REFERENCES `student` (`student_id`);

```

```

INSERT INTO `courses` (`course_id`, `name`, `fees`, `duration`,
`duration_type`, `status`, `added_date`) VALUES (NULL, 'PHP & JS',
'16500', '6', 'M', '1', CURRENT_TIMESTAMP);

```

```

INSERT INTO `enquiries` (`enquiry_id`, `first_name`, `last_name`,
`email`, `contact_no`, `course_id`, `timing`, `faculty_id`,
`enquiry_date`) VALUES (NULL, 'MinSeok', 'Kim', 'xuiminhan@gmail.com',
'9867856435', '2', '8', '3', CURRENT_TIMESTAMP);

```

```

alter table enquiries add foreign key(course_id) references
courses(course_id),add foreign key(faculty_id) references
faculty(faculty_id);

```

```

alter table batch add foreign key(course_id) references
courses(course_id),add foreign key(facilitator_id) references
facilitator(facilitator_id);

```

```

INSERT INTO `student` (`student_id`, `student_firstname`,
`student_lastname`, `college`) VALUES (NULL, 'Chanyeol', 'Park',
'Parang University'), (NULL, 'Baekhyun', 'Byun', 'MIT');

```

```

alter table enrollments add foreign key(batch_id) references
batch(batch_id),add foreign key(student_id) references
student(student_id);

```

```
INSERT INTO `enrollments` (`enroll_id`, `batch_id`, `student_id`,  
`enroll_date`) VALUES (NULL, '2', '4', CURRENT_TIMESTAMP), (NULL, '3',  
'3', CURRENT_TIMESTAMP);
```

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```

```
SELECT first_name,last_name,email,contact_no FROM enquiries
```

```
SELECT course_id,COUNT(1) as total FROM enquiries GROUP BY course_id
```

```
SELECT e.first_name,e.last_name,c.name from enquiries e JOIN courses c  
ON c.course_id=e.enquiry_id
```

```
SELECT concat(e.first_name,' ',e.last_name) as full_name,c.name from  
enquiries e JOIN courses c ON c.course_id=e.enquiry_id
```

```
INSERT INTO `faculty` (`faculty_id`, `faculty_name`, `added_date`)  
VALUES (NULL, 'BCompSc', CURRENT_TIMESTAMP), (NULL, 'BCompSec',  
CURRENT_TIMESTAMP);
```

```
UPDATE `faculty` SET `faculty_name`='BA' WHERE faculty_id=4
```

```
DELETE FROM `faculty` WHERE `faculty`.`faculty_id` = 10
```

```
SELECT c.name,e.total from courses c JOIN (SELECT course_id,COUNT(1)  
as total FROM enquiries GROUP BY course_id)e ON  
e.course_id=c.course_id
```

```
SELECT c.name,e.total from courses c LEFT JOIN (SELECT  
course_id,COUNT(1) as total FROM enquiries GROUP BY course_id)e ON  
e.course_id=c.course_id
```

```
SELECT concat(e.first_name,' ',e.last_name) as  
full_name,c.name,f.faculty_name from enquiries e JOIN courses c ON  
c.course_id=e.enquiry_id JOIN faculty f on f.faculty_id=e.faculty_id
```

```
SELECT c.name,concat(f.fac_firstname,' ',f.fac_lastname) as  
facilitator_name,b.start_date,b.timing from batch b JOIN courses c ON  
c.course_id=b.batch_id JOIN facilitator f on  
f.facilitator_id=b.batch_id
```

```
SELECT b.batch_id,concat(s.student_firstname,' ',s.student_lastname)  
as student_fullname,e.enroll_date
```

```
SELECT b.batch_id,concat(s.student_firstname,' ',s.student_lastname)  
as student_fullname,e.enroll_date FROM enrollments e JOIN batch b ON  
b.batch_id=e.enroll_id JOIN student s ON e.enroll_id=s.student_id
```



