

CREATE STATEMENTS:

```
-- ***** `subjects`
```

```
CREATE TABLE `subjects`  
(  
  `subject id` integer unsigned NOT NULL AUTO_INCREMENT ,  
  `subject name` varchar(255) NOT NULL ,  
  `subject url` varchar(255) NOT NULL ,  
  
  PRIMARY KEY (`subject id`)  
);
```

-

```
-- ***** `courses information`
```

```
CREATE TABLE `courses information`  
(  
  `instructors` varchar(255) NOT NULL ,  
  `university` varchar(100) NOT NULL ,  
  `providers` varchar(100) NOT NULL ,  
  `course id` integer unsigned NOT NULL ,  
  `start date` varchar(100) NOT NULL ,  
  `duration` varchar(100) NOT NULL ,  
  `language` varchar(100) NOT NULL ,  
  
  KEY `fkIdx_40` (`course id`),  
  CONSTRAINT `FK_40` FOREIGN KEY `fkIdx_40` (`course id`) REFERENCES `courses` (`course id`)  
);
```

```
-- *****,
```

```
-- ***** `courses`
```

```
CREATE TABLE `courses`
```

```
(
```

```
`course id` integer unsigned NOT NULL AUTO_INCREMENT ,
```

```
`course title` varchar(255) NOT NULL ,
```

```
`subject id` integer unsigned NOT NULL ,
```

```
`course description` varchar(100) NOT NULL ,
```

```
`course url` varchar(2048) NOT NULL ,
```

```
PRIMARY KEY (`course id`),
```

```
KEY `fkIdx_20` (`subject id`),
```

```
CONSTRAINT `FK_20` FOREIGN KEY `fkIdx_20` (`subject id`) REFERENCES `subjects` (`subject id`)
```

```
);
```

```
-- ***** `course tags`
```

```
CREATE TABLE `course tags`
```

```
(
```

```
`tag id` integer NOT NULL ,
```

```
`tag names` varchar(255) NOT NULL ,
```

```
`course id` integer unsigned NOT NULL ,
```

```
PRIMARY KEY (`tag id`),
```

```

KEY `fkIdx_64` (`course id`),
CONSTRAINT `FK_64` FOREIGN KEY `fkIdx_64` (`course id`) REFERENCES `courses` (`course id`)
);

```

```

-- ***** `course rating`

```

```

CREATE TABLE `course rating`
(
`rating id`    integer NOT NULL ,
`course ratingas` varchar(255) NOT NULL ,
`course id`    integer unsigned NOT NULL ,

PRIMARY KEY (`rating id`),
KEY `fkIdx_61` (`course id`),
CONSTRAINT `FK_61` FOREIGN KEY `fkIdx_61` (`course id`) REFERENCES `courses` (`course id`)
);

```

STORED PROCEDURES:

- 1) Select all subject information from subjects table

```

create procedure GetSubjectData()
select subject
subject name, subject url
from subjects;

call GetSubjectData();

```
- 2) Select all courses details from courses table

```

create procedure CourseDetails()
select course title, course description, course url
from courses;

call CourseDetails ();

```
- 3) Select all courses information details from course information table

```
create procedure CourseInfoDetails()  
select instructors, university, providers, start date, duration,  
language  
from courses information;  
  
call CourseInfoDetails ();
```

- 4) Select all courses ratings from course rating table

```
create procedure CourseRatingDetails()  
select course ratings  
from courses rating;  
  
call CourseRatingDetails();
```

- 5) Select all courses tags from course tags table

```
create procedure CourseTagDetails()  
select tag names  
from courses tags;  
  
call CourseTagDetails ();
```

- 6) To get the subject details for all the courses

```
create procedure Subject_CourseDetails()  
select s.subject_name, c.course titles  
from  
courses c  
left join subjects s on c.course id=s.subject id;  
  
call Subject_CourseDetails ();
```

- 7) To get the ratings for all the courses

```
create procedure CourseRatings()  
select r.ratings, c.course titles  
from  
course rating r  
rightt join courses c on r.rating id = c.course id;  
  
call CourseRatings();
```

