

MySQL Queries

```
CREATE SCHEMA `noc` ;
```

```
CREATE TABLE `noc`.`departments` (  
  `department_id` INT NOT NULL AUTO_INCREMENT,  
  `department_name` VARCHAR(255) NOT NULL,  
  PRIMARY KEY (`department_id`));
```

```
CREATE TABLE `noc`.`organizations` (  
  `org_id` INT NOT NULL AUTO_INCREMENT,  
  `name` VARCHAR(255) NOT NULL,  
  `location` VARCHAR(255) NOT NULL,  
  `person_receiving_noc_name` VARCHAR(255) NULL,  
  `person_receiving_noc_designation` VARCHAR(255) NOT NULL,  
  `address` VARCHAR(255) NOT NULL,  
  `website` VARCHAR(255) NOT NULL,  
  PRIMARY KEY (`org_id`));
```

```
CREATE TABLE `noc`.`users` (  
  `user_id` INT NOT NULL AUTO_INCREMENT,  
  `email` VARCHAR(255) NOT NULL,  
  `password` VARCHAR(255) NOT NULL,  
  `role` VARCHAR(255) NOT NULL,  
  PRIMARY KEY (`user_id`));
```

```
CREATE TABLE `noc`.`branches` (  
  `branch_id` INT NOT NULL AUTO_INCREMENT,  
  `branch_name` VARCHAR(255) NOT NULL,  
  `department_id` INT NOT NULL,  
  PRIMARY KEY (`branch_id`),  
  INDEX `department_id_idx` (`department_id` ASC) VISIBLE,  
  CONSTRAINT `branch_department_id`  
    FOREIGN KEY (`department_id`)  
    REFERENCES `noc`.`departments` (`department_id`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION);
```

```
CREATE TABLE `noc`.`students` (  
  `enrollment_no` VARCHAR(255) NOT NULL,  
  `user_id` INT NOT NULL,  
  `name` VARCHAR(255) NOT NULL,  
  `mobile_no` INT NOT NULL,  
  `father_name` VARCHAR(255) NOT NULL,  
  `branch_id` INT NOT NULL,  
  `department_id` INT NOT NULL,  
  `year` INT NOT NULL,  
  `current_address` VARCHAR(255) NOT NULL,  
  `city` VARCHAR(255) NOT NULL,  
  `state` VARCHAR(255) NOT NULL,  
  `pin_code` INT NOT NULL,
```

```

PRIMARY KEY (`enrollment_no`),
INDEX `user_id_idx` (`user_id` ASC) VISIBLE,
INDEX `branch_id_idx` (`branch_id` ASC) VISIBLE,
INDEX `department_id_idx` (`department_id` ASC) VISIBLE,
CONSTRAINT `student_user_id`
  FOREIGN KEY (`user_id`)
  REFERENCES `noc`.`users` (`user_id`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `student_branch_id`
  FOREIGN KEY (`branch_id`)
  REFERENCES `noc`.`branches` (`branch_id`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `student_department_id`
  FOREIGN KEY (`department_id`)
  REFERENCES `noc`.`departments` (`department_id`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION);

```

```

CREATE TABLE `noc`.`noc_applications` (
  `noc_id` INT NOT NULL AUTO_INCREMENT,
  `enrollment_no` VARCHAR(255) NOT NULL,
  `org_id` INT NOT NULL,
  `internship_days` INT NOT NULL,
  `internship_start_date` DATE NOT NULL,
  `internship_end_date` DATE NOT NULL,
  `applying_through` VARCHAR(255) NOT NULL,
  `status` VARCHAR(255) NOT NULL,
  PRIMARY KEY (`noc_id`),
  INDEX `noc_org_id_idx` (`org_id` ASC) VISIBLE,
  INDEX `noc_enrollment_no_idx` (`enrollment_no` ASC) VISIBLE,
  CONSTRAINT `noc_org_id`
    FOREIGN KEY (`org_id`)
    REFERENCES `noc`.`organizations` (`org_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `noc_enrollment_no`
    FOREIGN KEY (`enrollment_no`)
    REFERENCES `noc`.`students` (`enrollment_no`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION);

```

```

CREATE TABLE `noc`.`department_coordinator` (
  `coordinator_id` INT NOT NULL AUTO_INCREMENT,
  `user_id` INT NOT NULL,
  `department_id` INT NOT NULL,
  PRIMARY KEY (`coordinator_id`),
  INDEX `department_coordinator_user_id_idx` (`user_id` ASC) VISIBLE,
  INDEX `department_coordinator_department_id_idx` (`department_id` ASC) VISIBLE,
  CONSTRAINT `department_coordinator_user_id`
    FOREIGN KEY (`user_id`)
    REFERENCES `noc`.`users` (`user_id`)

```

```
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `department_coordinator_department_id`
FOREIGN KEY (`department_id`)
REFERENCES `noc`.`departments` (`department_id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION);
```

```
CREATE TABLE `noc`.`department_approval` (
`approval_id` INT NOT NULL AUTO_INCREMENT,
`coordinator_id` INT NOT NULL,
`noc_id` INT NOT NULL,
`approval_status` VARCHAR(255) NOT NULL,
PRIMARY KEY (`approval_id`),
INDEX `department_approval_noc_id_idx` (`noc_id` ASC) VISIBLE,
INDEX `department_approval_coordinator_id_idx` (`coordinator_id` ASC) VISIBLE,
CONSTRAINT `department_approval_noc_id`
FOREIGN KEY (`noc_id`)
REFERENCES `noc`.`noc_applications` (`noc_id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `department_approval_coordinator_id`
FOREIGN KEY (`coordinator_id`)
REFERENCES `noc`.`department_coordinator` (`coordinator_id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION);
```

```
CREATE TABLE `noc`.`tpo` (
`tpo_id` INT NOT NULL AUTO_INCREMENT,
`user_id` INT NOT NULL,
PRIMARY KEY (`tpo_id`),
INDEX `tpo_user_id_idx` (`user_id` ASC) VISIBLE,
CONSTRAINT `tpo_user_id`
FOREIGN KEY (`user_id`)
REFERENCES `noc`.`users` (`user_id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION);
```

```
CREATE TABLE `noc`.`tpo_approval` (
`tpo_approval_id` INT NOT NULL AUTO_INCREMENT,
`tpo_id` INT NOT NULL,
`noc_id` INT NOT NULL,
`approval_status` VARCHAR(255) NOT NULL,
PRIMARY KEY (`tpo_approval_id`),
INDEX `tpo_approval_tpo_id_idx` (`tpo_id` ASC) VISIBLE,
INDEX `tpo_approval_noc_id_idx` (`noc_id` ASC) VISIBLE,
CONSTRAINT `tpo_approval_tpo_id`
FOREIGN KEY (`tpo_id`)
REFERENCES `noc`.`tpo` (`tpo_id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `tpo_approval_noc_id`
FOREIGN KEY (`noc_id`)
```

```
REFERENCES `noc`.`noc_applications` (`noc_id`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION);
```