G5-Gadekar Yograj

```
-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERRO
R_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';

-- -----------------------------------------------------
-- Schema university_system
-- -----------------------------------------------------
CREATE SCHEMA IF NOT EXISTS `university_system` DEFAULT CHARACTER SET utf8 ;
USE `university_system` ;

-- -----------------------------------------------------
-- Table `university_system`.`UNIVERSITY`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`UNIVERSITY` (
  `uni_id` INT NOT NULL,
  `uni_name` VARCHAR(100) NOT NULL,
  `uni_code` VARCHAR(30) NOT NULL,
  `uni_place` VARCHAR(100) NOT NULL,
  `fac_id` INT NOT NULL,
  `camp_id` INT NOT NULL,
  PRIMARY KEY (`uni_id`))
ENGINE = InnoDB;
-- -----------------------------------------------------
-- Table `university_system`.`CLUB`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`CLUB` (
  `club_id` INT NOT NULL,
  `club_name` VARCHAR(45) NOT NULL,
  `club_place` VARCHAR(100) NOT NULL,
  `club_contact_no` INT NOT NULL,
  `club_sport` VARCHAR(50) NOT NULL,
  `camp_id` INT NOT NULL,
  PRIMARY KEY (`club_id`))
ENGINE = InnoDB;
```

```
-- -----------------------------------------------------
-- Table `university_system`.`CAMPUS`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`CAMPUS` (
  `camp_id` INT NOT NULL,
  `camp_name` VARCHAR(100) NOT NULL,
  `camp_address` VARCHAR(100) NOT NULL,
  `camp_distance` INT NOT NULL,
  `club_id` INT NOT NULL,
  `uni_id` INT NOT NULL,
  PRIMARY KEY (`camp_id`),
  INDEX `club_id_idx` (`club_id` ASC) VISIBLE,
  INDEX `uni_id_idx` (`uni_id` ASC) VISIBLE,
  CONSTRAINT `club_id`
    FOREIGN KEY (`club_id`)
    REFERENCES `university_system`.`CLUB` (`club_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `uni_id`
    FOREIGN KEY (`uni_id`)
    REFERENCES `university_system`.`UNIVERSITY` (`uni_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `university_system`.`SCHOOL`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`SCHOOL` (
`school_id` INT NOT NULL,
`school_name` VARCHAR(50) NOT NULL,
`school_building_place` VARCHAR(50) NOT NULL,
`fac_id` INT NOT NULL,
`camp_id` INT NOT NULL,
`staff_id` INT NOT NULL,
`prog_id` INT NOT NULL,
PRIMARY KEY (`school_id`),
INDEX `camp_id_idx` (`camp_id` ASC) VISIBLE,
CONSTRAINT `camp_id`
  FOREIGN KEY (`camp_id`)
  REFERENCES `university_system`.`CAMPUS` (`camp_id`)
```

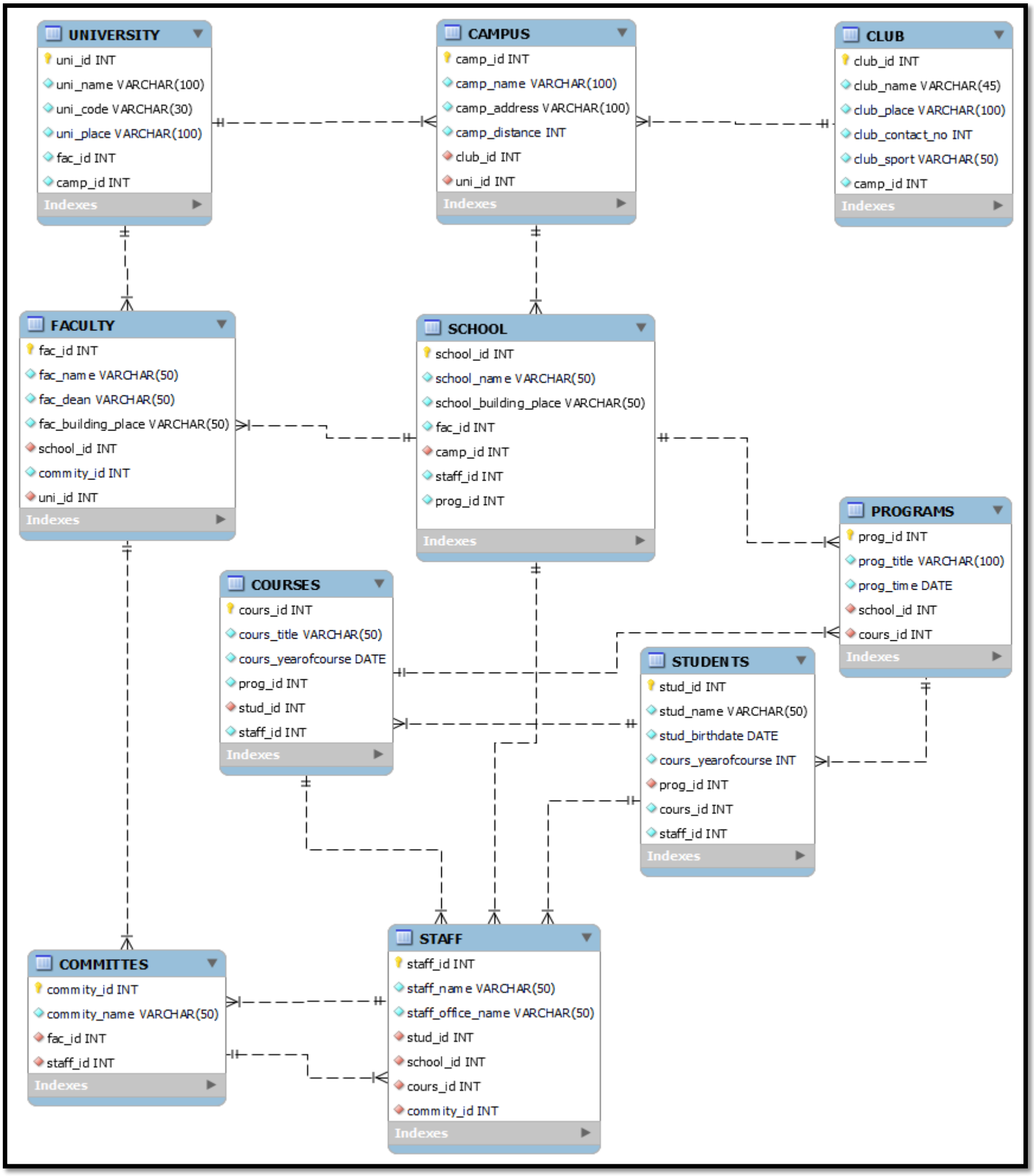
```
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;



-- -----------------------------------------------------
-- Table `university_system`.`FACULTY`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`FACULTY` (
  `fac_id` INT NOT NULL,
  `fac_name` VARCHAR(50) NOT NULL,
  `fac_dean` VARCHAR(50) NOT NULL,
  `fac_building_place` VARCHAR(50) NOT NULL,
  `school_id` INT NOT NULL,
  `commity_id` INT NOT NULL,
  `uni_id` INT NOT NULL,
  PRIMARY KEY (`fac_id`),
  INDEX `fac_id_idx` (`uni_id` ASC) VISIBLE,
  INDEX `school_id_idx` (`school_id` ASC) VISIBLE,
  CONSTRAINT `fac_id`
    FOREIGN KEY (`uni_id`)
    REFERENCES `university_system`.`UNIVERSITY` (`uni_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `school_id`
    FOREIGN KEY (`school_id`)
    REFERENCES `university_system`.`SCHOOL` (`school_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
  ENGINE = InnoDB;



-- -----------------------------------------------------
-- Table `university_system`.`STUDENTS`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`STUDENTS` (
  `stud_id` INT NOT NULL,
  `stud_name` VARCHAR(50) NOT NULL,
  `stud_birthdate` DATE NOT NULL,
  `cours_yearofcourse` INT NOT NULL,
  `prog_id` INT NOT NULL,
```

```
  `cours_id` INT NOT NULL,
  `staff_id` INT NOT NULL,
  PRIMARY KEY (`stud_id`),
  INDEX `prog_id_idx` (`prog_id` ASC) VISIBLE,
  CONSTRAINT `prog_id`
    FOREIGN KEY (`prog_id`)
    REFERENCES `university_system`.`PROGRAMS` (`prog_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `university_system`.`COURSES`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`COURSES` (
  `cours_id` INT NOT NULL,
  `cours_title` VARCHAR(50) NOT NULL,
  `cours_yearofcourse` DATE NOT NULL,
  `prog_id` INT NOT NULL,
  `stud_id` INT NOT NULL,
  `staff_id` INT NOT NULL,
  PRIMARY KEY (`cours_id`),
  INDEX `stud_id_idx` (`stud_id` ASC) VISIBLE,
  CONSTRAINT `stud_id`
    FOREIGN KEY (`stud_id`)
    REFERENCES `university_system`.`STUDENTS` (`stud_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `university_system`.`PROGRAMS`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`PROGRAMS` (
  `prog_id` INT NOT NULL,
  `prog_title` VARCHAR(100) NOT NULL,
  `prog_time` DATE NOT NULL,
  `school_id` INT NOT NULL,
  `cours_id` INT NOT NULL,
```

```
PRIMARY KEY (`prog_id`),
INDEX `school_id_idx` (`school_id` ASC) VISIBLE,
INDEX `cours_id_idx` (`cours_id` ASC) VISIBLE,
CONSTRAINT `school_id`
  FOREIGN KEY (`school_id`)
  REFERENCES `university_system`.`SCHOOL` (`school_id`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `cours_id`
  FOREIGN KEY (`cours_id`)
  REFERENCES `university_system`.`COURSES` (`cours_id`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;



-- -----------------------------------------------------
-- Table `university_system`.`COMMITTES`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`COMMITTES` (
  `commity_id` INT NOT NULL,
  `commity_name` VARCHAR(50) NOT NULL,
  `fac_id` INT NOT NULL,
  `staff_id` INT NOT NULL,
  PRIMARY KEY (`commity_id`),
  INDEX `staff_id_idx` (`staff_id` ASC) VISIBLE,
  INDEX `fac_id_idx` (`fac_id` ASC) VISIBLE,
  CONSTRAINT `staff_id`
    FOREIGN KEY (`staff_id`)
    REFERENCES `university_system`.`STAFF` (`staff_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fac_id`
    FOREIGN KEY (`fac_id`)
    REFERENCES `university_system`.`FACULTY` (`fac_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;



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

```
-- Table `university_system`.`STAFF`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `university_system`.`STAFF` (
  `staff_id` INT NOT NULL,
  `staff_name` VARCHAR(50) NOT NULL,
  `staff_office_name` VARCHAR(50) NOT NULL,
  `stud_id` INT NOT NULL,
  `school_id` INT NOT NULL,
  `cours_id` INT NOT NULL,
  `commity_id` INT NOT NULL,
  PRIMARY KEY (`staff_id`),
  INDEX `commity_id_idx` (`commity_id` ASC) VISIBLE,
  INDEX `school_id_idx` (`school_id` ASC) VISIBLE,
  INDEX `stud_id_idx` (`stud_id` ASC) VISIBLE,
  INDEX `cours_id_idx` (`cours_id` ASC) VISIBLE,
  CONSTRAINT `commity_id`
    FOREIGN KEY (`commity_id`)
    REFERENCES `university_system`.`COMMITTES` (`commity_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `school_id`
    FOREIGN KEY (`school_id`)
    REFERENCES `university_system`.`SCHOOL` (`school_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `stud_id`
    FOREIGN KEY (`stud_id`)
    REFERENCES `university_system`.`STUDENTS` (`stud_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `cours_id`
    FOREIGN KEY (`cours_id`)
    REFERENCES `university_system`.`COURSES` (`cours_id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| hr                 |
| information_schema |
| library            |
| mysql              |
| performance_schema |
| sakila             |
| shop               |
| sys                |
| university_system  |
| world              |
+--------------------+
10 rows in set (0.00 sec)

mysql> use university_system
Database changed
mysql> show tables;
+----------------------------+
| Tables_in_university_system |
+----------------------------+
| campus                     |
| club                       |
| committes                  |
| courses                    |
| faculty                    |
| programs                   |
| school                     |
| staff                      |
| students                   |
| university                 |
+----------------------------+
10 rows in set (0.00 sec)
```



Result Grid | Filter Rows: | Edit:

uni_id	uni_name	uni_code	uni_place	fac_id	camp_id
1111	Pune_Un...	pun5020	Pune	11	11011
1122	SSPU	sspu2020	Pune	110	10010
1133	Mubmai_...	mum5021	Mumbai	1100	50050
1144	Harward...	haw1425	US	2152	2152
1155	Stanford...	Stan1542	UK	4458	4458
NULL	NULL	NULL	NULL	NULL	

Result Grid | Filter Rows: | Edit: | Expo

club_id	club_name	club_place	club_contact_no	club_sport	camp_id
11	subway	nashik	785458	hockey,cr...	11011
22	xpress	belapur	778596	kabbadi	50050
33	kevi_mart	solapur	968544	kho_kho,...	2152
44	Indico	kopargaon	995685	weight_lif...	10010
55	Aavana	pune	985672	gym	4458
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export

camp_id	camp_name	camp_address	camp_distance	club_id	uni_id
112	Diploma	Nashik	105	22	1122
221	Degree	Pune	86	44	1155
313	Pharmacy	Yeola	25	11	1133
415	HSC	Kopargaon	35	55	1111
524	ITI	Nashik	105	33	1144
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/I

school_id	school_name	school_building_place	fac_id	camp_id	staff_id
1050	SANDIPFOUN	Nashik	31323	313	120
1411	SMV	Pune	41542	415	110
2040	SNDPOLY	Babhulgaon	11212	112	152
2152	SANJIVANI	Kopargaon	52425	524	124
5020	SNDCOERC	Yeola_Nashik	21212	221	141
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit:

prog_id	prog_title	prog_time	school_id	cours_id
1120	dot_net	2020-11-12	1050	21021
2102	machine...	2019-09-10	2040	20025
3124	java	2021-10-12	1411	14112
4215	DA	2021-09-08	2152	21551
5214	UX_UI	2018-10-04	5020	50125
NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import:

stud_id	stud_name	stud_birthdate	cours_yearofcourse	prog_id	cours_id	staff_id
11	Yograj_Ga...	1996-08-22	2021	4215	21551	124
22	Amit_Patil	1996-04-20	2019	2102	20025	152
33	Ajinath_S...	1998-08-01	2020	5214	50125	141
44	Swapnil_K...	1996-05-07	2018	1120	21021	120
55	Nikhil_Raj...	1997-04-25	2020	3124	14112	110
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Expo

	cours_id	cours_title	cours_yearofcourse	prog_id	stud_id	staff_id
	14112	Mech	2020-07-12	5214	33	141
	20025	IT	2019-04-04	2102	22	152
	21021	Comp	2021-05-06	4215	11	124
	21551	Ele	2018-11-25	1120	44	120
▶	50125	Civil	2020-12-14	3124	55	110
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import:

	fac_id	fac_name	fac_dean	fac_building_place	school_id	commity_id	uni_id
	11212	Kudal A.K.	Principal	Yeola	1411	22001	1133
	21212	Mokal A.H.	TP	Aurangabad	5020	54262	1144
	31323	Pawar M.J.	HOD	Nashik	1050	11002	1122
▶	41542	Shirsath ...	HOD	Pune	2040	11220	1155
	52425	Solanki S...	TP	Kopargaon	2152	12003	1111
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import:

	staff_id	staff_name	staff_office_name	stud_id	school_id	cours_id	commity_id
	110	Shelake N.L.	Lab1	55	1411	14112	22001
	141	Abhale A.V.	Lab5	33	5020	50125	54262
	120	Waghmare...	Lab2	44	1050	21021	11002
	124	Rokade P.P.	PLLAB	11	2152	21551	12003
	152	Chavhan V...	LAB3	22	2040	20025	11220
▶*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Ex

	commity_id	commity_name	staff_id
	22001	Clg_commity	110
	54262	Class_commity	141
	11002	Office_commity	120
	12003	Mangement_c...	124
▶	11220	Student_com...	152
*	NULL	NULL	NULL