

University Registration System

Using Mysql


```
mysql> use UniversityRegistrationSystem;  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A
```

Database changed

```
mysql> show tables;
```

Tables_in_universityregistrationsystem	
AcademicProgram	
ClassSchedule	
Course	
Enrollment	
Faculty	
Prerequisite	
student	

```
7 rows in set (0.00 sec)
```



```
mysql> select * from student;
```

StudentID	FirstName	LastName	Email	Phone
1	Vijay	Patel	vijay.patel@gmail.com	9101293495
2	Suraj	Kumar	suraj.kumar@gmail.com	9107298405
3	Dheeraj	Singh	dheeraj.singh@gmail.com	9203248505
4	Raj	Malhotra	raj.malhotra@gmail.com	9193188505
5	Karan	Luthra	karan.luthra@gmail.com	9193998105
6	Vijay	Sharma	vijay.sharma@gmail.com	9393398105
7	Rohit	Yadav	rohit.yadav@gmail.com	9393390105
8	Salman	Shaikh	salman.shaikh@gmail.com	9392390190
9	Ajay	Kohli	ajay.kohli@gmail.com	9392320150
10	Nikhil	Niggam	nikhil.niggam@gmail.com	9892360159
11	Rahul	Raut	rahul.raut@gmail.com	9278360159
12	Jinal	Modi	jinal.modi@gmail.com	9279360159
13	Reeta	Rajput	reeta.rajput@gmail.com	9279320079
14	Meena	Devgan	meena.devgan@gmail.com	9279820909
15	Zeenat	Khan	zeenat.khan@gmail.com	9919820909
16	Srushti	Mohan	srushti.mohan@gmail.com	9121345654
17	Vineth	Seth	vineth.seth@gmail.com	9121344654
18	Jayesh	Nadar	jayesh.nadar@gmail.com	9121344654
19	Yash	Jajoo	yash.jajoo@gmail.com	9221344654
20	Dinesh	Shaw	dinesh.shaw@gmail.com	9121344651
21	Divya	Jain	divya.jain@gmail.com	9221224651
22	Suresh	Mehta	suresh.mehta@gmail.com	9922132651

```
22 rows in set (0.00 sec)
```

```
mysql> select * from AcademicProgram;
```

ProgramCode	ProgramName	DegreeType	Requirements
BA	Bachelor of Arts	Bachelor	Complete 110 credit hours
BBA	Bachelor of Business Administration	Bachelor	Complete 120 credit hours
BSCCS	Bachelor of Science in Computer Science	Bachelor	Complete 120 credit hours
BSCMATH	Bachelor of Science in Mathematics	Bachelor	Complete 110 credit hours
BSCPHY	Bachelor of Science in Physics	Bachelor	Complete 115 credit hours
MA	Master of Arts	Master	Complete 60 credit hours
MBA	Master of Business Administration	Master	Complete 60 credit hours
MSCCS	Master of Science in Computer Science	Master	Complete 60 credit hours
MSCMATH	Master of Science in Mathematics	Master	Complete 60 credit hours
MSCPHY	Master of Science in Physics	Master	Complete 60 credit hours
PHDART	Doctor of Philosophy in Arts	Doctorate	Complete 90 credit hours
PHDBUS	Doctor of Philosophy in Business	Doctorate	Complete 90 credit hours
PHDCS	Doctor of Philosophy in Computer Science	Doctorate	Complete 90 credit hours
PHDMATH	Doctor of Philosophy in Mathematics	Doctorate	Complete 90 credit hours
PHDPHY	Doctor of Philosophy in Physics	Doctorate	Complete 90 credit hours

```
15 rows in set (0.00 sec)
```



```
mysql> select * from course;
```

CourseCode	CourseName	CreditHours	InstructorID	ProgramCode
ART101	Introduction to Art	2	12	BA
ART501	Advanced Art Theory	3	17	MA
ART901	Research in Arts	5	22	PHDART
BUS101	Introduction to Business	3	11	BBA
BUS102	Financial Accounting	3	12	BBA
BUS103	Marketing Management	3	16	BBA
BUS104	Business Ethics	2	18	BBA
BUS105	Operations Management	4	12	BBA
BUS106	Strategic Management	3	16	BBA
BUS501	Strategic Management	4	16	MBA
BUS901	Research in Business	5	21	PHDBUS
CS101	Introduction to Programming	3	10	BSCCS
CS102	Data Structures	4	10	BSCCS
CS103	Database Systems	3	11	BSCCS
CS104	Operating Systems	4	13	BSCCS
CS105	Software Engineering	3	10	BSCCS
CS106	Artificial Intelligence	4	11	BSCCS
CS501	Advanced Algorithms	4	15	MSCCS
CS901	Research in Computer Science	5	20	PHDCS
MATH101	Calculus I	4	13	BSCMATH
MATH501	Advanced Calculus	4	18	MSCMATH
MATH901	Research in Mathematics	5	23	PHDMATH
PHY101	Classical Mechanics	3	14	BSCPHY
PHY501	Quantum Mechanics	4	19	MSCPHY
PHY901	Research in Physics	5	24	PHDPHY

25 rows in set (0.00 sec)

```
mysql> select * from Enrollment;
```

EnrollmentID	StudentID	ProgramCode	EnrollmentStatus	Grade
1	1	BSCCS	Active	A
2	2	BBA	Active	B
3	3	BA	Active	A
4	4	BSCMATH	Active	C
5	5	BSCPHY	Active	B
6	6	MSCCS	Active	A
7	7	MBA	Active	B
8	8	MA	Active	A
9	9	MSCMATH	Active	C
10	10	MSCPHY	Active	B
11	11	PHDCS	Active	A
12	12	PHDBUS	Active	B
13	13	PHDART	Active	A
14	14	PHDMATH	Active	C
15	15	PHDPHY	Active	B

15 rows in set (0.00 sec)


```
mysql> select * from ClassSchedule;
```

ScheduleID	CourseCode	DayOfWeek	StartTime	EndTime	Location
16	CS101	Monday	09:00:00	10:30:00	Room 101
17	BUS101	Tuesday	11:00:00	12:30:00	Room 202
18	ART101	Wednesday	09:00:00	10:30:00	Room 303
19	MATH101	Thursday	11:00:00	12:30:00	Room 404
20	PHY101	Friday	09:00:00	10:30:00	Room 505
21	CS501	Monday	13:00:00	14:30:00	Room 606
22	BUS501	Tuesday	13:00:00	14:30:00	Room 707
23	ART501	Wednesday	13:00:00	14:30:00	Room 808
24	MATH501	Thursday	13:00:00	14:30:00	Room 909
25	PHY501	Friday	13:00:00	14:30:00	Room 1010
26	CS901	Monday	15:00:00	16:30:00	Room 1111
27	BUS901	Tuesday	15:00:00	16:30:00	Room 1212
28	ART901	Wednesday	15:00:00	16:30:00	Room 1313
29	MATH901	Thursday	15:00:00	16:30:00	Room 1414
30	PHY901	Friday	15:00:00	16:30:00	Room 1515
31	CS102	Saturday	10:00:00	11:30:00	Room 102
32	BUS102	Tuesday	13:00:00	14:30:00	Room 102

```
17 rows in set (0.00 sec)
```

```
mysql> select * from faculty;
```

FacultyID	FirstName	LastName	Email	Phone	Department
10	Manoj	Prabhakar	manoj.prabhakar@gmail.com	9123456789	Computer Science
11	Vishal	Deshpande	vishal.deshpande@gmail.com	9143552789	Computer Science
12	Manohar	Rana	manohar.rana@gmail.com	9143352389	Business
13	Jagdeep	Desai	jagdeep.desai@gmail.com	9111354389	Computer Science
14	Vidya	Gupta	vidya.gupta@gmail.com	9212344389	Mathematics
15	Shikha	Jain	shikha.jain@gmail.com	9312349389	Mathematics
16	Shekhar	Apte	shekhar.apte@gmail.com	9312459289	Business
17	Shubman	Kumar	shubman.kumar@gmail.com	9912153289	Mathematics
18	Nikita	Shah	nikita.shah@gmail.com	9134563478	Business
19	Narendra	Bhat	narendra.bhat@gmail.com	9144583278	Arts
20	Dinesh	Rajput	dinesh.rajput@gmail.com	9243543278	Arts
21	Ramesh	Chauhan	ramesh.chauhan@gmail.com	9433439278	Physics
22	Chandrashekhar	Bose	chandrashekhar.bose@gmail.com	9232449578	Physics
23	Vinneta	Singh	vineeta.singh@gmail.com	9212419078	Physics
24	Himanshu	Modi	himanshu.modi@gmail.com	9212410179	Arts

```
15 rows in set (0.00 sec)
```

```
mysql> select * from prerequisite;
```

PrerequisiteID	ProgramCode	PrerequisiteProgramCode
1	MSCCS	BSCCS
2	MBA	BBA
3	MA	BA
4	MSCMATH	BSCMATH
5	MSCPHY	BSCPHY
6	PHDCS	MSCCS
7	PHDBUS	MBA
8	PHDART	MA
9	PHDMATH	MSCMATH
10	PHDPHY	MSCPHY

```
10 rows in set (0.01 sec)
```



```
mysql> SELECT s.StudentID, s.FirstName, s.LastName
-> FROM Student s
-> JOIN Enrollment e ON s.StudentID = e.StudentID
-> WHERE e.ProgramCode = 'BSCCS';
```

StudentID	FirstName	LastName
1	Vijay	Patel

1 row in set (0.01 sec)

```
mysql> SELECT c.CourseCode, c.CourseName, f.FirstName, f.LastName
-> FROM Course c
-> JOIN Faculty f ON c.InstructorID = f.FacultyID;
```

CourseCode	CourseName	FirstName	LastName
CS101	Introduction to Programming	Manoj	Prabhakar
CS102	Data Structures	Manoj	Prabhakar
CS105	Software Engineering	Manoj	Prabhakar
BUS101	Introduction to Business	Vishal	Deshpande
CS103	Database Systems	Vishal	Deshpande
CS106	Artificial Intelligence	Vishal	Deshpande
ART101	Introduction to Art	Manohar	Rana
BUS102	Financial Accounting	Manohar	Rana
BUS105	Operations Management	Manohar	Rana
CS104	Operating Systems	Jagdeep	Desai
MATH101	Calculus I	Jagdeep	Desai
PHY101	Classical Mechanics	Vidya	Gupta
CS501	Advanced Algorithms	Shikha	Jain
BUS103	Marketing Management	Shekhar	Apte
BUS106	Strategic Management	Shekhar	Apte
BUS501	Strategic Management	Shekhar	Apte
ART501	Advanced Art Theory	Shubman	Kumar
BUS104	Business Ethics	Nikita	Shah
MATH501	Advanced Calculus	Nikita	Shah
PHY501	Quantum Mechanics	Narendra	Bhat
CS901	Research in Computer Science	Dinesh	Rajput
BUS901	Research in Business	Ramesh	Chauhan
ART901	Research in Arts	Chandrashekhar	Bose
MATH901	Research in Mathematics	Vinneta	Singh
PHY901	Research in Physics	Himanshu	Modi

25 rows in set (0.00 sec)

```
mysql> SELECT p.ProgramName, prereq.ProgramName AS 'Required Program'
-> FROM Prerequisite pre
-> JOIN AcademicProgram p ON pre.ProgramCode = p.ProgramCode
-> JOIN AcademicProgram prereq ON pre.PrerequisiteProgramCode = prereq.ProgramCode
-> WHERE pre.ProgramCode = 'MSCCS';
```

ProgramName	Required Program
Master of Science in Computer Science	Bachelor of Science in Computer Science

1 row in set (0.00 sec)


```
mysql> SELECT s.FirstName, s.LastName, p.ProgramName
-> FROM Student s
-> JOIN Enrollment e ON s.StudentID = e.StudentID
-> JOIN AcademicProgram p ON e.ProgramCode = p.ProgramCode
-> WHERE s.StudentID = 1;
```

FirstName	LastName	ProgramName
Vijay	Patel	Bachelor of Science in Computer Science

1 row in set (0.00 sec)

```
mysql> SELECT prereq.ProgramName AS 'Required Program'
-> FROM Prerequisite p
-> JOIN AcademicProgram prereq ON p.PrerequisiteProgramCode = prereq.ProgramCode
-> WHERE p.ProgramCode = 'MSCCS';
```

Required Program
Bachelor of Science in Computer Science

1 row in set (0.01 sec)

Thank you !