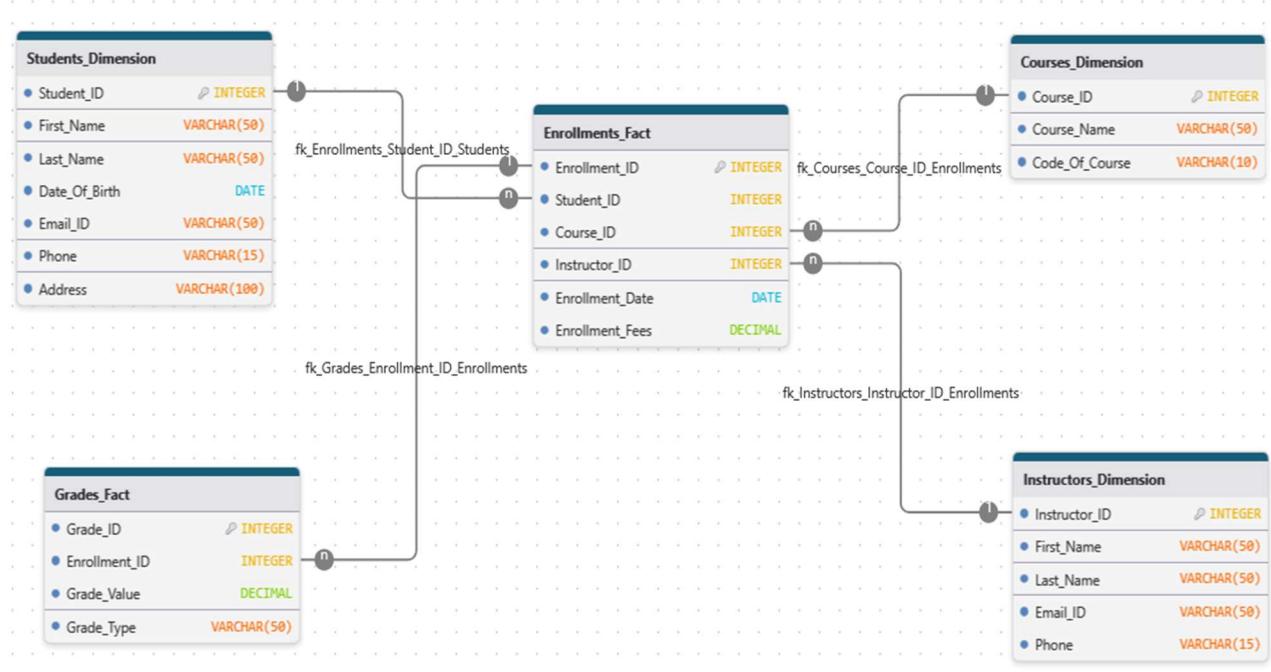


# Entity-Relationship Diagram (ERD)



## University Course Registration System Dictionary Table

Students Dimension			
Attribute	Data Type	Constraint	Description
Student_ID	INTEGER	PK, Not Null, Auto Increment	This is the student's unique id.
First Name	VARCHAR (50)	Not null	This is the student's first name.
Last Name	VARCHAR (50)	Not null	This is the student's last name.
Date Of Birth	DATE	Not null	This is the student's date of birth.
Email ID	VARCHAR (50)	Not null	This is the student's email id.
Phone	VARCHAR (15)	Not null	This is the student's contact number.
Address	VARCHAR (100)	Not null	This is the student's mailing address.

Courses Dimension			
Attribute	Data Type	Constraint	Description
Course_ID	INTEGER	PK, Not Null, Auto Increment.	This is the id of the course.
Course Name	VARCHAR (50)	Not null	This is the name of the course.
Code_Of_Course	VARCHAR (10)	Not null	This is the code of the course e.g., CS102, ME105.

<b>Instructors Dimension</b>			
<b>Attribute</b>	<b>Data Type</b>	<b>Constraint</b>	<b>Description</b>
Instructor_ID	INTEGER	PK, Not Null, Auto Increment.	This is the id of the instructor.
First Name	VARCHAR (50)	Not null	This is the first name of the instructor.
Last Name	VARCHAR (50)	Not null	This is the last name of the instructor.
Email ID	VARCHAR (50)	Not null	This is the instructor's email id.
Phone	VARCHAR (15)	Not null	This is the instructor's contact number.

<b>Enrollments Fact</b>			
<b>Attribute</b>	<b>Data Type</b>	<b>Constraint</b>	<b>Description</b>
Enrollment_ID	INTEGER	PK, Not Null, Auto Increment	This is the enrollment id.
Student_ID	INTEGER	FK	This is the student id who is enrolling in the course. It is a foreign key referencing the Students Table.
Course_ID	INTEGER	FK	This is the course id on which the student is enrolled. It is a foreign key referencing the Courses Table.
Instructor_ID	INTEGER	FK	This is the instructor who teaches this course. It is a foreign key referencing the Instructors Dictionary Table.
Enrollment_Date	DATE	Not null	This is the date when the student enrolled in the course.
Enrollment_Fees	DECIMAL (6,2)	Not null, Check >0	This is the total enrollment fees associated with the enrollment.

<b>Grades Fact</b>			
<b>Attribute</b>	<b>Data Type</b>	<b>Constraint</b>	<b>Description</b>
Grade_ID	INTEGER	PK, Not Null, Auto Increment.	This is the grade's id for each grade record.
Enrollment_ID	INTEGER	FK	This is the enrollment id for which the grade was awarded. It is a foreign key referencing Enrollments Table.
Grade_Value	DECIMAL (5,2)	Not null	This is the actual grade earned by the student for this course which could be a numeric value (e.g., 89.5),
Grade_Type	VARCHAR (50)	Not null	This is the type of grade to specify if the grade is for a final exam, homework or a specific assignment, etc.

# SQL Code

File Edit Navigate Search SQL Editor Database Window Help

Projects X General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

```

create database Course_Registration;

create table Students (
    Student_ID INT AUTO_INCREMENT primary key,
    First_Name VARCHAR (50) NOT NULL,
    Last_Name VARCHAR (50) NOT NULL,
    Date_Of_Birth DATE NOT NULL,
    Email_ID VARCHAR (50) NOT NULL,
    Phone VARCHAR (15) NOT NULL,
    Address VARCHAR (100) NOT NULL
);

create table Courses (
    Course_ID INT AUTO_INCREMENT primary key,
    Course_Name VARCHAR (50) NOT NULL,
    Code_Of_Course VARCHAR (10) NOT NULL
);

create table Instructors (
    Instructor_ID INT AUTO_INCREMENT primary key,
    First_Name VARCHAR (50) NOT NULL,
    Last_Name VARCHAR (50) NOT NULL,
    Email_ID VARCHAR (50) NOT NULL,
    Phone VARCHAR (15) NOT NULL
);

create table Enrollments (
    Enrollment_ID INT AUTO_INCREMENT primary key,
    Student_ID INT,
    Course_ID INT,
    Instructor_ID INT,
    Enrollment_Date DATE NOT NULL,
    Enrollment_Fees DECIMAL (6,2) NOT NULL,
    check (Enrollment_Fees > 0),
    foreign key (Student_ID) references Students (Student_ID),
    foreign key (Course_ID) references Courses (Course_ID),
    foreign key (Instructor_ID) references Instructors (Instructor_ID)
);

create table Grades (
    Grade_ID INT AUTO_INCREMENT primary key,
    Enrollment_ID INT,
    Grade_Value DECIMAL (5,2) NOT NULL,
    Grade_Type VARCHAR (50) NOT NULL,
    foreign key (Enrollment_ID) references Enrollments (Enrollment_ID)
);

```

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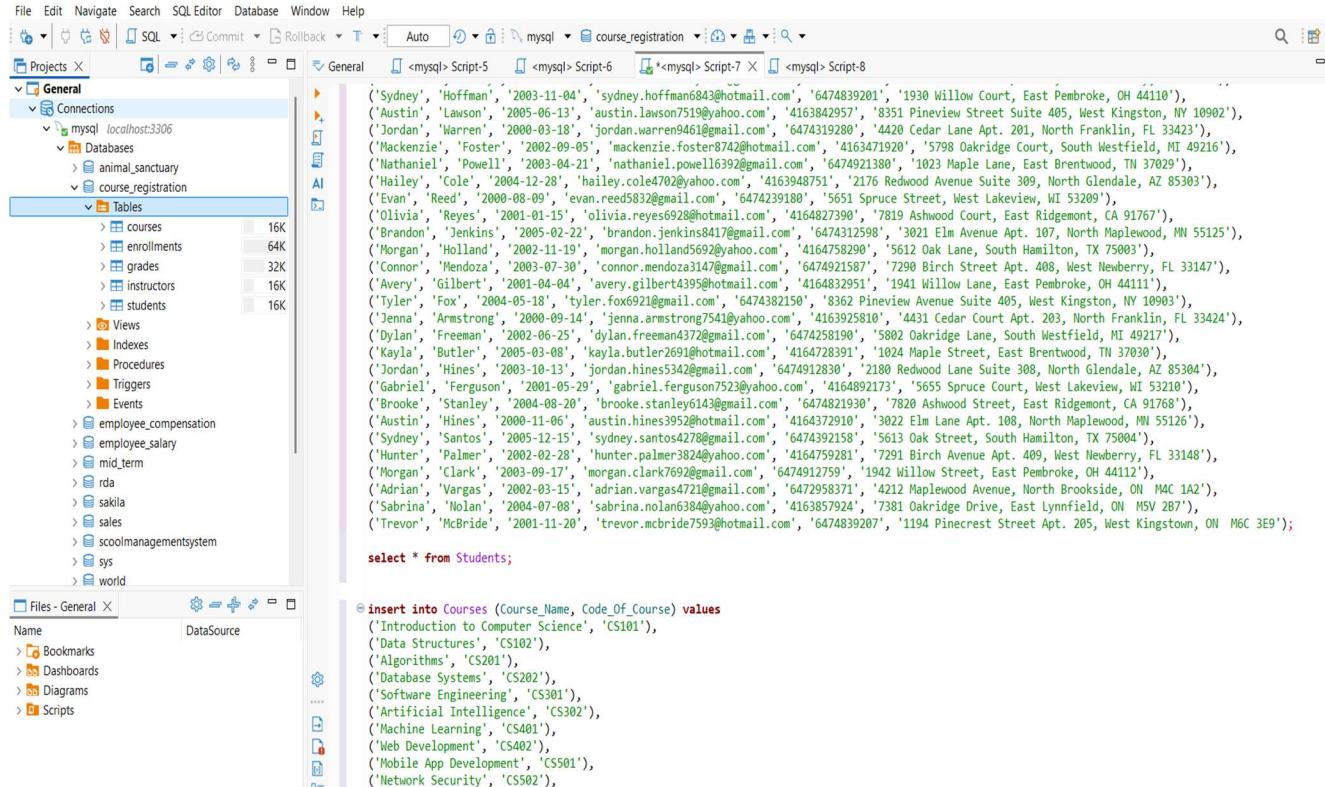
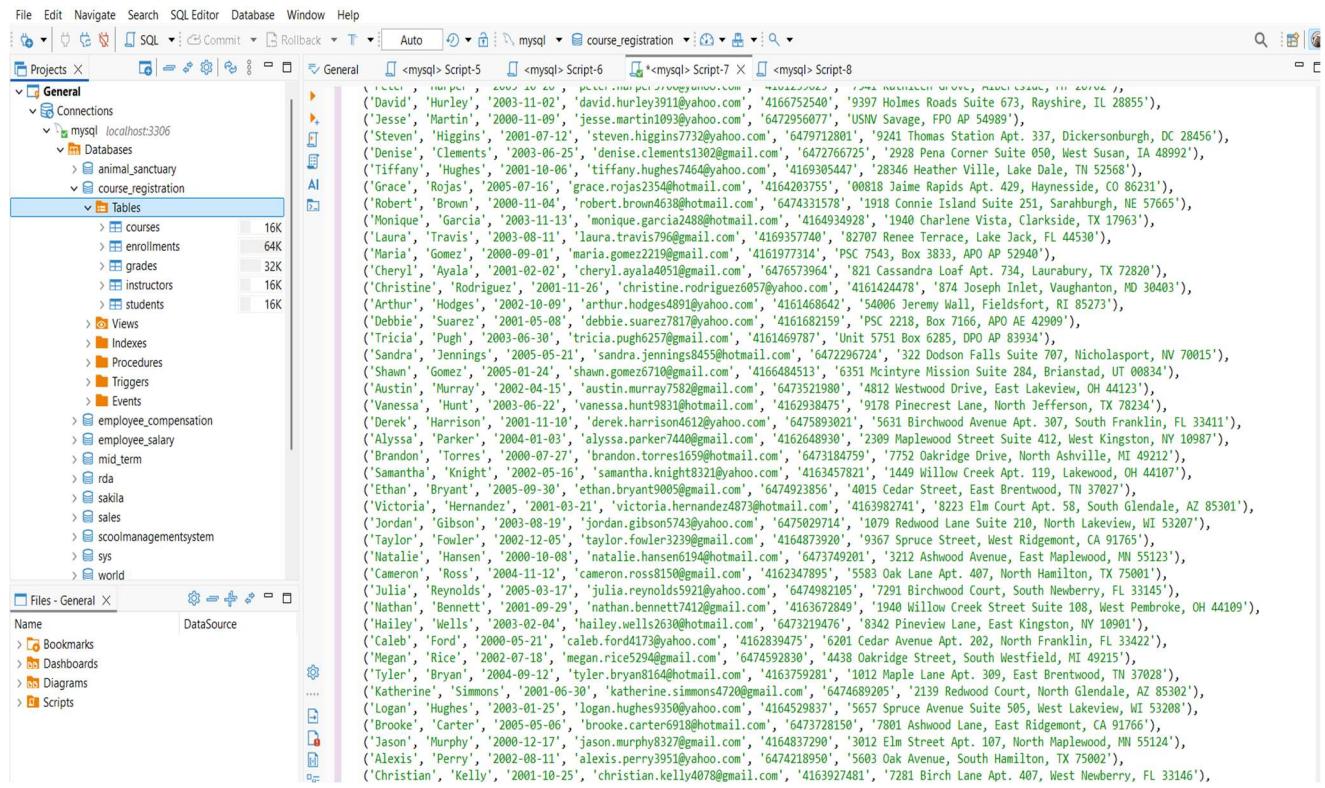
Projects X General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

```

create table Grades (
    Grade_ID INT AUTO_INCREMENT primary key,
    Enrollment_ID INT,
    Grade_Value DECIMAL (5,2) NOT NULL,
    Grade_Type VARCHAR (50) NOT NULL,
    foreign key (Enrollment_ID) references Enrollments (Enrollment_ID)
);

insert into Students (First_Name, Last_Name, DateOfBirth, Email_ID, Phone, Address) values
('James', 'Conner', '2003-07-30', 'james.conner680@yahoo.com', '41611680', '4116 Dunn Inlet, Nolanville, FL 55530'),
('Melissa', 'Gomez', '2005-01-02', 'melissa.gomez4346@yahoo.com', '4163524644', '3095 Jacqueline Isle Apt. 056, East Cynthia, MO 65597'),
('Jeffrey', 'Decker', '2004-08-13', 'jeffrey.decker2731@hotmail.com', '4671251414', 'PSC 9648, Box 5875, APO AE 19105'),
('Michael', 'Harper', '2003-10-08', 'michael.harper8564@hotmail.com', '4161057866', '8354 Bonilla Estate, East Rachelside, TX 41933'),
('Alex', 'Spears', '2005-07-19', 'alex.spears809@yahoo.com', '4161134318', '783 Brooks Pike, West Curtissad, MT 78681'),
('Robert', 'Martin', '2002-09-14', 'robert.martin4392@yahoo.com', '4164114087', '82212 Mendoza Turnpike Apt. 262, Leehaven, WI 07050'),
('Edward', 'Jackson', '2005-01-30', 'edward.jackson5722@gmail.com', '4161339768', 'PSC 9061, Box 6507, APO AE 54993'),
('Bethany', 'Baker', '2001-01-09', 'bethany.baker3435@hotmail.com', '6475458154', '7902 Danielle Drive, New Davidport, MI 18313'),
('Nicole', 'White', '2000-12-07', 'nicole.white3857@hotmail.com', '4161804674', '92198 Stevens Ways, Fordhaven, OK 82383'),
('Natalie', 'Collins', '2004-02-10', 'natalie.collins1518@hotmail.com', '4166355462', '170 Bond Plains, Brewerfort, WY 31939'),
('Mary', 'Reed', '2001-10-21', 'mary.reed5767@yahoo.com', '4164536019', '592 Chad Prairie Apt. 765, Elizabethtown, FL 27713'),
('Caroline', 'Young', '2003-01-10', 'caroline.young6978@yahoo.com', '4167635021', 'Unit 0371 Box 8252, DPO AE 22093'),
('Michael', 'Davis', '2002-12-05', 'michael.davis6870@yahoo.com', '6475296591', '5240 Pena Villages Suite 629, South Whitney, OK 45649'),
('Carlos', 'Smith', '2000-07-07', 'carlos.smith428@hotmail.com', '4167228313', '554 Moore Track, Loganmouth, MD 74296'),
('Jesse', 'Savage', '2003-06-03', 'jesse.savage4272@gmail.com', '6479323757', '6294 Madison Expressway Apt. 942, New Jayfurt, ID 43258'),
('Jeffrey', 'Myers', '2003-09-17', 'jeffrey.myers870@yahoo.com', '6476358583', '9608 Thompson Points, Bradfordville, IA 94022'),
('Marisa', 'Terry', '2002-06-09', 'marisa.terry4880@hotmail.com', '4164327378', '46343 Torres Glens Suite 452, Nealview, MS 42883'),
('Kevin', 'Watson', '2001-03-31', 'kevin.watson614@hotmail.com', '6473920222', '2357 Carlos Shoals Apt. 670, West Dianefort, IN 91406'),
('Deborah', 'Scott', '2004-02-06', 'deborah.scott30@yahoo.com', '4165256685', '7729 Barajas Rapids, Port Davidshire, TX 05980'),
('Mark', 'Bishop', '2003-05-27', 'mark.bishop299@gmail.com', '4167937971', '9092 Jessica Lake Apt. 834, Fuentesfurt, WY 83573'),
('Christian', 'Miller', '2000-04-21', 'christian.miller8244@yahoo.com', '4166332073', '04210 Adams Courts Suite 198, Jamesville, GA 72412'),
('Allen', 'Shelton', '2005-10-22', 'allen.shelton256@yahoo.com', '4169770916', '69742 Kathy Roads Suite 227, Lake Ginachester, ND 71196'),
('Joseph', 'Reid', '2001-03-14', 'joseph.reid7825@hotmail.com', '6477486914', '57219 Clayton Mill, Kerrytom, NM 11182'),
('Deanna', 'Strickland', '2001-07-06', 'deanna.strickland4775@gmail.com', '6473881940', '63958 Williams Squares Apt. 208, Rodriguezchester, TX 94095'),
('Sheena', 'Barrett', '2003-03-11', 'sheena.barrett8472@hotmail.com', '6475619122', '897 Donna Shoals, East Jeannettehaven, ME 33562'),
('Michael', 'Maldonado', '2003-03-01', 'michael.maldonado5853@yahoo.com', '4166289006', '6225 Hester Path Suite 417, North Debraberg, ND 68271'),
('Tracy', 'Rodriguez', '2001-07-07', 'tracy.rodriguez1799@gmail.com', '6476156623', '4307 Amanda Harbors Apt. 159, New Brianna, GA 77123'),
('Eric', 'Taylor', '2000-04-02', 'eric.taylor6469@yahoo.com', '4165513015', '959 Ian Mill Apt. 852, East Liso, KY 33300'),
('Christopher', 'Sanchez', '2003-11-23', 'christopher.sanchez1545@hotmail.com', '4161252427', '3087 Kline Gardens Suite 321, Garciaburgh, HI 68218'),
('Brandon', 'Butler', '2001-10-05', 'brandon.butler1663@yahoo.com', '4165157869', '930 Brown Mews Suite 901, New Laurenbury, NV 35794'),
('Amy', 'Anderson', '2003-01-24', 'amy.anderson2690@hotmail.com', '4169079849', '210 Mooney Ranch Suite 589, Patriciamouth, PA 62718'),
('Kimberly', 'Saunders', '2004-01-11', 'kimberly.saunders4820@yahoo.com', '4163799698', '7367 Dawson Vista Apt. 197, Jamesberg, MT 38910'),
('Peter', 'Harper', '2005-10-26', 'peter.harper3700@yahoo.com', '4161239625', '7541 Kathleen Grove. Albertside. MT 20702').

```



File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

Projects X General

Connections

mysql localhost:3306

Databases

- animal\_sanctuary
- course\_registration

Tables

- courses
- enrollment
- grades
- instructors
- students
- Views
- Indexes
- Procedures
- Triggers
- Events
- employee\_compensation
- employee\_salary
- mid\_term
- rda
- sakila
- sales
- scoolmanagementsystem
- sys
- world

Files - General X

Name DataSource

- Bookmarks
- Dashboards
- Diagrams
- Scripts

```
('Calculus I', 'MATH101'),
('Calculus II', 'MATH102'),
('Linear Algebra', 'MATH201'),
('Discrete Mathematics', 'MATH202'),
('Probability and Statistics', 'MATH301'),
('Introduction to Physics', 'PHY101'),
('Classical Mechanics', 'PHY201'),
('Electromagnetism', 'PHY202'),
('Quantum Mechanics', 'PHY301'),
('Thermodynamics', 'PHY302'),
('Organic Chemistry', 'CHEM101'),
('Inorganic Chemistry', 'CHEM201'),
('Physical Chemistry', 'CHEM202'),
('Analytical Chemistry', 'CHEM301'),
('Biochemistry', 'CHEM302'),
('Cell Biology', 'BIO101'),
('Genetics', 'BIO201'),
('Microbiology', 'BIO202'),
('Ecology', 'BIO301'),
('Evolutionary Biology', 'BIO302'),
('Introduction to Psychology', 'PSY101'),
('Cognitive Psychology', 'PSY201'),
('Behavioral Psychology', 'PSY202'),
('Developmental Psychology', 'PSY301'),
('Social Psychology', 'PSY302'),
('Principles of Economics', 'ECON101'),
('Microeconomics', 'ECON201'),
('Macroeconomics', 'ECON202'),
('Financial Accounting', 'ACC101'),
('Managerial Accounting', 'ACC201'),
('Introduction to History', 'HIST101'),
('Modern History', 'HIST201'),
('Ancient Civilizations', 'HIST202'),
('Engineering Mechanics', 'ENG101'),
('Electrical Engineering Basics', 'ENG201'),
('Thermal Engineering', 'ENG202'),
('Introduction to English Literature', 'ENG301'),
('Creative Writing', 'ENG302'),
('Technical Writing', 'ENG303'),
('Project Management', 'MGT101'),
('Marketing Principles', 'MKT101'),
('Advanced Computer Programming', 'CS501')
```

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

Projects X General

Connections

mysql localhost:3306

Databases

- animal\_sanctuary
- course\_registration

Tables

- courses
- enrollment
- grades
- instructors
- students
- Views
- Indexes
- Procedures
- Triggers
- Events
- employee\_compensation
- employee\_salary
- mid\_term
- rda
- sakila
- sales
- scoolmanagementsystem
- sys
- world

Files - General X

Name DataSource

- Bookmarks
- Dashboards
- Diagrams
- Scripts

```
(Advanced Computer Programming', 'CS503'),
('Introduction to Data Science', 'CSS04'),
('Software Testing & Quality', 'CS505'),
('Numerical Methods', 'MATH401'),
('Mathematical Modeling', 'MATH402'),
('Advanced Linear Algebra', 'MATH403'),
('Differential Equations', 'MATH404'),
('Topology', 'MATH405'),
('Calculus III', 'MATH406'),
('Thermodynamics II', 'PHY401'),
('Modern Physics', 'PHY402'),
('Optics', 'PHY403'),
('Organic Chemistry II', 'CHEM401'),
('Inorganic Chemistry II', 'CHEM402'),
('Physical Chemistry II', 'CHEM403'),
('Cell Signaling', 'BIO401'),
('Advanced Genetics', 'BIO402'),
('Molecular Biology', 'BIO403'),
('Cognitive Neuroscience', 'PSY401'),
('Behavioral Neuroscience', 'PSY402'),
('Psychological Testing', 'PSY403'),
('Macroeconomic Policy', 'ECON401'),
('International Economics', 'ECON402'),
('Game Theory', 'ECON403'),
('Canadian Politics', 'HIST401'),
('World History', 'HIST402'),
('Ancient History', 'HIST403'),
('Thermal Systems', 'ENG401'),
('Fluid Mechanics', 'ENG402'),
('Electrical Machines', 'ENG403'),
('Circuit Analysis', 'ENG404'),
('Creative Writing Workshop', 'ENG501'),
('Shakespeare Studies', 'ENG502'),
('Modern Literature', 'ENG503'),
('Financial Management', 'MGT401'),
('Operations Management', 'MGT402'),
('Organizational Behavior', 'MGT403'),
('Marketing Strategy', 'MKT401'),
('Consumer Behavior', 'MKT402'),
('Brand Management', 'MKT403'),
('Database Administration', 'CS506'),
('Computer Networks', 'CS507').
```

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration <mysql> Script-7 <mysql> Script-8

General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

Projects X General Connections mysql localhost:3306 Databases animal\_sanctuary course\_registration Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales scloudmanagementsystem sys world

```

('Web Technologies', 'CS508'),
('Probability Theory', 'MATH407'),
('Statistics II', 'MATH408'),
('Real Analysis', 'MATH409'),
('Quantum Mechanics II', 'PHY404'),
('Electromagnetic Theory', 'PHY405'),
('Organic Synthesis', 'CHEM404');

select * from Courses;

```

```

insert into Instructors (First_Name, Last_Name, Email_ID, Phone) values
('Brandon', 'Watson', 'brandon.watson8471@gmail.com', '6472913847'),
('Vanessa', 'Perez', 'vanessa.perez5123@yahoo.com', '4163928571'),
('Ethan', 'Powell', 'ethan.powell3952@hotmail.com', '6474839205'),
('Julia', 'Gibson', 'julia.gibson7283@gmail.com', '4162841973'),
('Caleb', 'Fisher', 'caleb.fisher6932@yahoo.com', '6475298371'),
('Megan', 'Wallace', 'megan.wallace1748@hotmail.com', '4164739205'),
('Nathan', 'Barnes', 'nathan.barnes5920@gmail.com', '6474832917'),
('Hailey', 'Morris', 'hailey.morris4373@yahoo.com', '4163729814'),
('Dylan', 'West', 'dylan.west6803@hotmail.com', '6474958372'),
('Katherine', 'Hughes', 'katherine.hughes5274@gmail.com', '4163891752'),
('Tyler', 'Coleman', 'tyler.coleman3197@yahoo.com', '6474982315'),
('Sydney', 'Perry', 'sydney.perry7162@hotmail.com', '4164728395'),
('Logan', 'Reed', 'logan.reed4801@gmail.com', '6474392815'),
('Brooke', 'Foster', 'brooke.foster6931@yahoo.com', '4164839271'),
('Christian', 'Henderson', 'christian.henderson2147@hotmail.com', '6474215937'),
('Morgan', 'Cruz', 'morgan.cruz5290@gmail.com', '4163925813'),
('Alexis', 'Russell', 'alexis.russell7351@yahoo.com', '6474382951'),
('Calvin', 'Schmidt', 'calvin.schmidt4917@hotmail.com', '4164758391'),
('Vanessa', 'Mack', 'vanessa.mack2857@gmail.com', '6474921583'),
('Derek', 'Jennings', 'derek.jennings6148@yahoo.com', '4164832957'),
('Jasmine', 'Stewart', 'jasmine.stewart7482@hotmail.com', '6474392715'),
('Austin', 'Griffin', 'austin.griffin2917@gmail.com', '4164723819'),
('Lauren', 'Watkins', 'lauren.watkins6872@yahoo.com', '6474912837'),
('Evan', 'Bowman', 'evan.bowman5391@hotmail.com', '4164832958'),
('Chloe', 'Hale', 'chloe.hale1729@gmail.com', '6474382917'),
('Nathaniel', 'Vargas', 'nathaniel.vargas6137@yahoo.com', '4164758293'),
('Sydney', 'Bishop', 'sydney.bishop7283@hotmail.com', '6474921384'),
('Tyler', 'Beck', 'tyler.beck4729@gmail.com', '4163928741'),
('Morgan', 'Duncan', 'morgan.duncan6147@yahoo.com', '6474832915'),

```

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration <mysql> Script-7 <mysql> Script-8

General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

Projects X General Connections mysql localhost:3306 Databases animal\_sanctuary course\_registration Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales scloudmanagementsystem sys world

```

('Alexis', 'Russell', 'alexis.russell7351@yahoo.com', '6474382951'),
('Calvin', 'Schmidt', 'calvin.schmidt4917@hotmail.com', '4164758391'),
('Vanessa', 'Mack', 'vanessa.mack2857@gmail.com', '6474921583'),
('Derek', 'Jennings', 'derek.jennings6148@yahoo.com', '4164832957'),
('Jasmine', 'Stewart', 'jasmine.stewart7482@hotmail.com', '6474392715'),
('Austin', 'Griffin', 'austin.griffin2917@gmail.com', '4164723819'),
('Lauren', 'Watkins', 'lauren.watkins6872@yahoo.com', '6474912837'),
('Evan', 'Bowman', 'evan.bowman5391@hotmail.com', '4164832958'),
('Chloe', 'Hale', 'chloe.hale1729@gmail.com', '6474382917'),
('Nathaniel', 'Vargas', 'nathaniel.vargas6137@yahoo.com', '4164758293'),
('Sydney', 'Bishop', 'sydney.bishop7283@hotmail.com', '6474921384'),
('Tyler', 'Beck', 'tyler.beck4729@gmail.com', '4163928741'),
('Morgan', 'Duncan', 'morgan.duncan6147@yahoo.com', '6474832915'),
('Hunter', 'Harrison', 'hunter.harrison9352@hotmail.com', '6474728397'),
('Rachel', 'Stevens', 'rachel.stevens2837@gmail.com', '6474915728'),
('Alex', 'Murray', 'alex.murray7192@yahoo.com', '4164832914'),
('Grace', 'Holt', 'grace.holt3847@hotmail.com', '6474385921'),
('Jordan', 'Palmer', 'jordan.palmer5729@gmail.com', '4164758294'),
('Lydia', 'Fleming', 'lydia.fleming1847@yahoo.com', '6474921385'),
('Austin', 'Marsh', 'austin.marsh4912@hotmail.com', '4163925871'),
('Tyler', 'Gonzalez', 'tyler.gonzalez7319@gmail.com', '6474832918'),
('Samantha', 'Cameron', 'samantha.cameron4710@yahoo.com', '4164728399'),
('Connor', 'Reid', 'connor.reid3847@hotmail.com', '6474912839'),
('Brooke', 'Palmer', 'brooke.palmer1957@gmail.com', '4164832919'),
('Caleb', 'Hopper', 'caleb.hopper4720@yahoo.com', '6474382919'),
('Hailey', 'Murphy', 'hailey.murphy5931@hotmail.com', '64746758295'),
('Evan', 'Sanders', 'evan.sanders3829@gmail.com', '6474921386'),
('Chloe', 'Hernandez', 'chloe.hernandez7392@yahoo.com', '4163925872'),
('Nathaniel', 'Frank', 'nathaniel.frank4817@hotmail.com', '6474832920'),
('Sydney', 'Lawrence', 'sydney.lawrence5731@gmail.com', '4164728400'),
('Tyler', 'Schultz', 'tyler.schultz2947@yahoo.com', '6474912840'),
('Morgan', 'Crawford', 'morgan.crawford6148@hotmail.com', '6464832921'),
('Hunter', 'Brock', 'hunter.brock328@gmail.com', '6474382921'),
('Rachel', 'Bryan', 'rachel.bryan8572@yahoo.com', '4164758296'),
('Alex', 'McDonald', 'alex.mcdonald4728@hotmail.com', '6474921387'),
('Madison', 'Carter', 'madison.carter5291@gmail.com', '6474932850'),
('Elli', 'Harris', 'elli.harris7382@yahoo.com', '4163842952'),
('Isabella', 'Clark', 'isabella.clark8472@hotmail.com', '6474821931'),
('Aidan', 'Bell', 'aidan.bell6395@gmail.com', '4164738292'),
('Gabriel', 'Brooks', 'gabriel.brooks2847@yahoo.com', '6474912853'),
('Avery', 'Ross', 'avery.ross5729@hotmail.com', '4164832910'),

```

File Edit Navigate Search SQL Editor Database Window Help

General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

```

General DBeaver project 'owen.reed3847@gmail.com', '6474382922',
('Jackson', 'Hughes', 'jackson.hughes5290@hotmail.com', '6474921388'),
('Maya', 'Fisher', 'maya.fisher6382@gmail.com', '4163925873'),
('Lucas', 'Hayes', 'lucas.hayes8473@yahoo.com', '6474832923'),
('Ella', 'Price', 'ella.price5921@hotmail.com', '4164758297'),
('Isaac', 'Perry', 'isaac.perry7193@gmail.com', '6474921389'),
('Sophia', 'Harrison', 'sophia.harrison3848@yahoo.com', '4163925874'),
('Mason', 'Murray', 'mason.murray7291@hotmail.com', '6474832924'),
('Chloe', 'Cruz', 'chloe.cruz6383@gmail.com', '4164728401'),
('Levi', 'Marshall', 'levi.marshall8474@yahoo.com', '6474912841'),
('Zoe', 'Hunt', 'zoe.hunt5922@hotmail.com', '4164832925'),
('Caleb', 'Stone', 'caleb.stone7393@gmail.com', '6474832923'),
('Ariana', 'Porter', 'ariana.porter2839@yahoo.com', '4164758298'),
('Ethan', 'Mendoza', 'ethan.mendoza4729@hotmail.com', '6474921398'),
('Sofia', 'Gibson', 'sofia.gibson5932@gmail.com', '4163925875'),
('Liam', 'Fleming', 'liam.fleming7284@yahoo.com', '6474832925'),
('Natalie', 'Haynes', 'natalie.haynes8475@hotmail.com', '4164728402'),
('Calvin', 'Armstrong', 'calvin.armstrong6384@gmail.com', '6474912842'),
('Aubrey', 'Fox', 'aubrey.fox923@yahoo.com', '4164832926'),
('Isaiah', 'Sims', 'isaiah.sims7292@hotmail.com', '6474832924'),
('Madeline', 'Owens', 'madeline.owens8476@gmail.com', '4164758299'),
('Owen', 'Knight', 'owen.knight6396@yahoo.com', '6474921391'),
('Layla', 'Matthews', 'layla.matthews4728@hotmail.com', '4163925876'),
('Evan', 'Cohen', 'evan.cohen2838@gmail.com', '6474832926'),
('Brooklyn', 'McCarthy', 'brooklyn.mccarthy5933@yahoo.com', '4164728403'),
('Connor', 'Ferguson', 'connor.ferguson7285@hotmail.com', '6474912843'),
('Ella', 'Gilbert', 'ella.gilbert6385@gmail.com', '4164832927'),
('Aiden', 'Bryant', 'aiden.bryant8477@yahoo.com', '6474832925'),
('Maya', 'Holloway', 'maya.holloway5924@hotmail.com', '4164758300'),
('Jackson', 'Holt', 'jackson.holt7293@gmail.com', '6474921392'),
('Aria', 'Lawson', 'aria.lawson3849@yahoo.com', '4163925877'),
('Lucas', 'McKinney', 'lucas.mckinney8478@hotmail.com', '6474832927'),
('Avery', 'Jennings', 'avery.jennings6386@gmail.com', '4164728404'),
('Gabriel', 'Bowman', 'gabriel.bowman5925@yahoo.com', '6474912844'),
('Sophia', 'Wallace', 'sophia.wallace7294@hotmail.com', '4164832928'),
('Eli', 'Douglas', 'eli.douglas8479@gmail.com', '6474832926'),
('Lily', 'Ferguson', 'lily.ferguson6387@yahoo.com', '4164758301'),
('Mason', 'Gordon', 'mason.gordon5926@hotmail.com', '6474921393'),
('Chloe', 'Grant', 'chloe.grant7295@gmail.com', '4163925878'),
('Levi', 'Higgins', 'levi.higgins7286@yahoo.com', '6474832928'),
...

```

File Edit Navigate Search SQL Editor Database Window Help

General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

```

General DBeaver project 'ariana.bates8470@hotmail.com', '4164728405',
('Isaac', 'Stevens', 'isaac.stevens6388@gmail.com', '6474912845');

select * from Instructors;

insert into Enrollments (Student_ID, Course_ID, Instructor_ID, Enrollment_Date, Enrollment_Fees) values
(1, 5, 12, '2020-09-01', 1500.50),
(2, 8, 3, '2021-01-15', 1800.75),
(3, 2, 7, '2022-06-20', 2000.25),
(4, 15, 20, '2020-08-30', 2200.00),
(5, 12, 5, '2021-09-10', 1750.60),
(6, 7, 2, '2020-11-05', 2100.80),
(7, 3, 8, '2021-02-18', 1950.45),
(8, 20, 11, '2022-03-22', 2500.99),
(9, 25, 17, '2020-10-15', 1600.10),
(10, 30, 6, '2021-05-01', 2300.50),
(11, 35, 13, '2020-07-12', 2400.00),
(12, 40, 19, '2022-01-09', 2000.20),
(13, 45, 22, '2021-08-14', 1800.55),
(14, 50, 25, '2020-09-19', 2100.75),
(15, 55, 29, '2022-04-11', 2200.40),
(16, 60, 31, '2021-06-21', 1900.60),
(17, 65, 33, '2020-12-30', 2300.80),
(18, 70, 36, '2021-03-15', 2000.90),
(19, 75, 40, '2022-07-05', 2150.25),
(20, 80, 42, '2020-11-11', 2250.55),
(21, 1, 45, '2021-02-28', 1850.75),
(22, 6, 48, '2022-05-19', 1950.40),
(23, 11, 50, '2020-09-20', 2100.90),
(24, 16, 53, '2021-12-07', 2200.65),
(25, 21, 55, '2022-01-14', 2300.50),
(26, 26, 58, '2020-08-25', 2400.35),
(27, 31, 60, '2021-04-30', 1950.75),
(28, 36, 63, '2022-03-18', 2050.25),
(29, 41, 65, '2021-07-29', 2150.10),
(30, 46, 68, '2020-10-10', 2250.55),
(31, 51, 70, '2021-05-21', 2350.95),
(32, 56, 73, '2022-06-30', 2450.60),
(33, 61, 75, '2020-09-03', 1800.40),
(34, 66, 78, '2021-08-12', 1900.80),
(35, 71, 80, '2022-07-27', 2000.50)

```

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```

(33, 11, 88, '2022-02-21', 2000.50),
(36, 76, 83, '2020-12-14', 2100.25),
(37, 81, 85, '2021-03-22', 2200.50),
(38, 86, 88, '2022-01-30', 2300.60),
(39, 91, 90, '2020-07-25', 2400.10),
(40, 96, 93, '2021-09-09', 2500.75),
(41, 100, 95, '2022-05-12', 1950.35),
(42, 4, 97, '2020-10-18', 2050.80),
(43, 9, 1, '2021-06-24', 2150.25),
(44, 14, 3, '2022-04-16', 2250.60),
(45, 19, 6, '2020-08-20', 2350.10),
(46, 24, 8, '2021-11-11', 2450.95),
(47, 29, 11, '2022-07-28', 2000.50),
(48, 34, 13, '2020-09-12', 2100.75),
(49, 39, 15, '2021-05-05', 2200.30),
(50, 44, 17, '2022-03-19', 2300.85),
(51, 49, 20, '2020-12-21', 2400.45),
(52, 54, 22, '2021-07-07', 2500.99),
(53, 59, 25, '2022-02-08', 1850.75),
(54, 64, 27, '2020-09-15', 1950.20),
(55, 69, 29, '2021-08-23', 2050.60),
(56, 74, 31, '2022-06-04', 2150.40),
(57, 79, 33, '2020-10-07', 2250.75),
(58, 84, 36, '2021-05-14', 2350.95),
(59, 89, 38, '2022-01-21', 2450.20),
(60, 94, 40, '2020-08-31', 2000.60),
(61, 99, 42, '2021-12-02', 2100.25),
(62, 3, 45, '2022-04-10', 2200.75),
(63, 8, 48, '2020-11-23', 2300.10),
(64, 13, 50, '2021-07-18', 2400.85),
(65, 18, 53, '2022-05-27', 2500.50),
(66, 23, 55, '2020-09-05', 1850.35),
(67, 28, 58, '2021-02-12', 1950.75),
(68, 33, 60, '2022-06-18', 2050.20),
(69, 38, 63, '2020-08-28', 2150.65),
(70, 43, 65, '2021-12-09', 2250.40),
(71, 48, 68, '2022-01-13', 2350.90),
(72, 53, 70, '2020-07-17', 2450.25),
(73, 58, 73, '2021-09-25', 2000.75),
(74, 63, 75, '2022-03-05', 2100.50),
(75, 68, 78, '2020-10-02', 2200.95),
(76, 73, 80, '2021-06-16', 2300.40),

```

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Auto mysql course\_registration <mysql> Script-7 <mysql> Script-8

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```

(77, 78, 83, '2022-07-03', 2400.75),
(78, 83, 85, '2020-08-08', 2500.55),
(79, 88, 88, '2021-11-19', 1850.25),
(80, 93, 90, '2022-05-25', 1950.60),
(81, 98, 93, '2020-09-09', 2050.80),
(82, 2, 95, '2021-07-30', 2150.35),
(83, 7, 97, '2022-03-14', 2250.40),
(84, 12, 1, '2020-10-27', 2350.65),
(85, 17, 3, '2021-05-20', 2450.25),
(86, 22, 6, '2022-06-06', 2000.80),
(87, 27, 8, '2020-08-18', 2100.50),
(88, 32, 11, '2021-12-28', 2200.90),
(89, 37, 13, '2022-01-16', 2300.25),
(90, 42, 15, '2020-09-29', 2400.55),
(91, 47, 17, '2021-07-03', 2500.10),
(92, 52, 20, '2022-04-23', 1850.75),
(93, 57, 22, '2020-10-12', 1950.95),
(94, 62, 25, '2021-05-08', 2050.50),
(95, 67, 27, '2022-03-29', 2150.80),
(96, 72, 29, '2020-11-07', 2250.25),
(97, 77, 31, '2021-06-01', 2350.60),
(98, 82, 33, '2022-07-14', 2450.35),
(99, 87, 36, '2020-08-22', 2000.90),
(100, 92, 38, '2021-12-19', 2100.25);

select * from Enrollments;

insert into Grades (Enrollment_ID, Grade_Value, Grade_Type) values
(1, 87.50, 'Final Exam'),
(2, 92.25, 'Homework'),
(3, 78.40, 'Midterm'),
(4, 85.75, 'Project'),
(5, 90.60, 'Quiz'),
(6, 88.20, 'Final Exam'),
(7, 94.15, 'Homework'),
(8, 76.50, 'Midterm'),
(9, 82.75, 'Project'),
(10, 91.30, 'Quiz'),
(11, 89.50, 'Final Exam'),
(12, 84.75, 'Homework'),

```

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Auto mysql course\_registration <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

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```
(13, 77.80, 'Midterm'),
(14, 95.25, 'Project'),
(15, 81.40, 'Quiz'),
(16, 88.90, 'Final Exam'),
(17, 92.60, 'Homework'),
(18, 79.50, 'Midterm'),
(19, 86.25, 'Project'),
(20, 98.10, 'Quiz'),
(21, 83.75, 'Final Exam'),
(22, 89.60, 'Homework'),
(23, 91.25, 'Midterm'),
(24, 78.90, 'Project'),
(25, 85.40, 'Quiz'),
(26, 87.10, 'Final Exam'),
(27, 93.50, 'Homework'),
(28, 88.25, 'Midterm'),
(29, 88.75, 'Project'),
(30, 90.60, 'Quiz'),
(31, 84.40, 'Final Exam'),
(32, 92.80, 'Homework'),
(33, 79.50, 'Midterm'),
(34, 87.20, 'Project'),
(35, 91.75, 'Quiz'),
(36, 85.10, 'Final Exam'),
(37, 88.40, 'Homework'),
(38, 93.20, 'Midterm'),
(39, 81.60, 'Project'),
(40, 89.90, 'Quiz'),
(41, 86.50, 'Final Exam'),
(42, 98.25, 'Homework'),
(43, 84.75, 'Midterm'),
(44, 92.10, 'Project'),
(45, 79.80, 'Quiz'),
(46, 88.50, 'Final Exam'),
(47, 91.40, 'Homework'),
(48, 83.60, 'Midterm'),
(49, 87.90, 'Project'),
(50, 98.20, 'Quiz'),
(51, 85.75, 'Final Exam'),
(52, 89.10, 'Homework'),
(53, 92.50, 'Midterm'),
... 70 more rows
```

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Auto mysql course\_registration <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

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```
(54, 78.60, 'Project'),
(55, 86.25, 'Quiz'),
(56, 87.80, 'Final Exam'),
(57, 91.95, 'Homework'),
(58, 83.50, 'Midterm'),
(59, 88.40, 'Project'),
(60, 90.75, 'Quiz'),
(61, 84.10, 'Final Exam'),
(62, 89.60, 'Homework'),
(63, 92.25, 'Midterm'),
(64, 81.40, 'Project'),
(65, 87.75, 'Quiz'),
(66, 85.20, 'Final Exam'),
(67, 90.50, 'Homework'),
(68, 78.90, 'Midterm'),
(69, 86.40, 'Project'),
(70, 91.10, 'Quiz'),
(71, 83.75, 'Final Exam'),
(72, 88.20, 'Homework'),
(73, 92.80, 'Midterm'),
(74, 79.50, 'Project'),
(75, 87.10, 'Quiz'),
(76, 90.25, 'Final Exam'),
(77, 85.60, 'Homework'),
(78, 89.90, 'Midterm'),
(79, 82.40, 'Project'),
(80, 91.75, 'Quiz'),
(81, 84.50, 'Final Exam'),
(82, 88.60, 'Homework'),
(83, 93.20, 'Midterm'),
(84, 79.80, 'Project'),
(85, 86.40, 'Quiz'),
(86, 87.95, 'Final Exam'),
(87, 91.10, 'Homework'),
(88, 83.25, 'Midterm'),
(89, 88.75, 'Project'),
(90, 90.60, 'Quiz'),
(91, 85.40, 'Final Exam'),
(92, 89.20, 'Homework'),
(93, 92.50, 'Midterm'),
(94, 78.90, 'Project'),
(95, 86.75, 'Quiz')
```

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```

(60, 90, 'Quiz'),
(61, 84, 'Final Exam'),
(62, 89, 'Homework'),
(63, 92, 'Midterm'),
(64, 81, 'Project'),
(65, 87, 'Quiz'),
(66, 85, 'Final Exam'),
(67, 90, 'Homework'),
(68, 78, 'Midterm'),
(69, 86, 'Project'),
(70, 91, 'Quiz'),
(71, 83, 'Final Exam'),
(72, 88, 'Homework'),
(73, 92, 'Midterm'),
(74, 79, 'Project'),
(75, 87, 'Quiz'),
(76, 90, 'Final Exam'),
(77, 85, 'Homework'),
(78, 89, 'Midterm'),
(79, 82, 'Project'),
(80, 91, 'Quiz'),
(81, 84, 'Final Exam'),
(82, 88, 'Homework'),
(83, 93, 'Midterm'),
(84, 79, 'Project'),
(85, 86, 'Quiz'),
(86, 87, 'Final Exam'),
(87, 91, 'Homework'),
(88, 83, 'Midterm'),
(89, 88, 'Project'),
(90, 90, 'Quiz'),
(91, 85, 'Final Exam'),
(92, 89, 'Homework'),
(93, 92, 'Midterm'),
(94, 78, 'Project'),
(95, 86, 'Quiz'),
(96, 87, 'Final Exam'),
(97, 91, 'Homework'),
(98, 83, 'Midterm'),
(99, 88, 'Project'),
(100, 90, 'Quiz');

```

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students 1 X

select \* from Students

Student_ID	AZ_First_Name	AZ_Last_Name	Date_Of_Birth	Email_ID	Phone	Address
75	Sydney	Hoffman	2003-11-04	sydney.hoffman6843@hotmail.com	6474839201	1930 Willow Court, East Pembroke, C
76	Austin	Lawson	2005-06-13	austin.lawson7519@yahoo.com	4163842957	8351 Pineview Street Suite 405, West
77	Jordan	Warren	2000-03-18	jordan.warren9461@gmail.com	6474319280	4420 Cedar Lane Apt. 201, North Fra
78	Mackenzie	Foster	2002-09-05	mackenzie.foster8742@hotmail.com	6163471920	5798 Oakridge Court, South Westfiel
79	Nathaniel	Powell	2003-04-21	nathaniel.powell6392@gmail.com	6474921380	1023 Maple Lane, East Brentwood, Tl
80	Hailey	Cole	2004-12-28	hailey.cole4702@yahoo.com	4163948751	2176 Redwood Avenue Suite 309, Nc
81	Evan	Reed	2000-08-09	evan.reed5832@gmail.com	6474239180	5651 Spruce Street, West Lakeview, V
82	Olivia	Reyes	2001-01-15	olivia.reyes6928@hotmail.com	4164827390	7819 Ashwood Court, East Ridgemor
83	Brandon	Jenkins	2005-02-22	brandon.jenkins8417@gmail.com	6474312598	3021 Elm Avenue Apt. 107, North Ma
84	Morgan	Holland	2002-11-19	morgan.holland5692@yahoo.com	4164758290	5612 Oak Lane, South Hamilton, TX i
85	Connor	Mendoza	2003-07-30	connor.mendoza3147@gmail.com	6474921587	7290 Birch Street Apt. 408, West Ne
86	Avery	Gilbert	2001-04-04	avery.gilbert4395@hotmail.com	4164832951	1941 Willow Lane, East Pembroke, O
87	Tyler	Fox	2004-05-18	tyler.fox6921@gmail.com	6474382150	8362 Pineview Avenue Suite 405, We
88	Jenna	Armstrong	2000-09-14	jenna.armstrong7541@yahoo.com	4163925810	4431 Cedar Court Apt. 203, North Fra
89	Dylan	Freeman	2002-06-25	dylan.freeman4372@gmail.com	6474258190	5802 Oakridge Lane, South Westfield
90	Kayla	Butler	2005-03-08	kayla.butler2691@hotmail.com	4164728391	1024 Maple Street, East Brentwood, '
91	Jordan	Hines	2003-10-13	jordan.hines5342@gmail.com	6474912830	2180 Redwood Lane Suite 308, North
92	Gabriel	Ferguson	2001-05-29	gabriel.ferguson523@yahoo.com	4164892173	5655 Spruce Court, West Lakeview, V
93	Brooke	Stanley	2004-08-20	brooke.stanley6143@gmail.com	6474821930	7820 Ashwood Street, East Ridgeomo
94	Austin	Hines	2000-11-06	austin.hines3952@hotmail.com	4164372910	3022 Elm Lane Apt. 108, North Mapk
95	Sydney	Santos	2005-12-15	sydney.santos427@gmail.com	6474392158	5613 Oak Street, South Hamilton, TX
96	Hunter	Palmer	2002-02-28	hunter.palmer3824@yahoo.com	4164759281	7291 Birch Avenue Apt. 409, West Ne
97	Morgan	Clark	2003-09-17	morgan.clark7692@gmail.com	6474912759	1942 Willow Street, East Pembroke, (
98	Adrian	Vargas	2002-03-15	adrian.vargas4721@gmail.com	6472958371	4212 Maplewood Avenue, North Bro
99	Sabrina	Nolan	2004-07-08	sabrina.nolan6384@yahoo.com	4163857924	7381 Oakridge Drive, East Lynnfield,
100	Trevor	McBride	2001-11-20	trevor.mcbride7593@hotmail.com	6474839207	1194 Pinecrest Street Apt. 205, West

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  - employee\_salary
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courses 1 X

select \* from Courses

Course_ID	Course_Name	Code_Of_Course
74	International Economics	ECON402
75	Game Theory	ECON403
76	Canadian Politics	HIST401
77	World History	HIST402
78	Ancient History	HIST403
79	Thermal Systems	ENG401
80	Fluid Mechanics	ENG402
81	Electrical Machines	ENG403
82	Circuit Analysis	ENG404
83	Creative Writing Workshop	ENG501
84	Shakespeare Studies	ENG502
85	Modern Literature	ENG503
86	Financial Management	MGT401
87	Operations Management	MGT402
88	Organizational Behavior	MGT403
89	Marketing Strategy	MKT401
90	Consumer Behavior	MKT402
91	Brand Management	MKT403
92	Database Administration	CS506
93	Computer Networks	CS507
94	Web Technologies	CS508
95	Probability Theory	MATH407
96	Statistics II	MATH408
97	Real Analysis	MATH409
98	Quantum Mechanics II	PHY404
99	Electromagnetic Theory	PHY405
100	Organic Synthesis	CHEM404

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instructors 1 X

select \* from Instructors

Instructor_ID	First_Name	Last_Name	Email_ID	Phone
74	Liam	Fleming	liam.fleming7284@yahoo.com	6474832925
75	Natalie	Haynes	natalie.haynes8475@hotmail.com	4164728402
76	Calvin	Armstrong	calvin.armstrong6384@gmail.com	6474912842
77	Aubrey	Fox	aubrey.fox5923@yahoo.com	4164832926
78	Isaiah	Sims	isaiah.sims7292@hotmail.com	6474382924
79	Madeline	Owens	madeline.owens8476@gmail.com	4164758299
80	Owen	Knight	owen.knight6396@yahoo.com	6474921391
81	Layla	Matthews	layla.matthews4728@hotmail.com	4163925876
82	Evan	Cohen	evan.cohen2838@gmail.com	6474832926
83	Brooklyn	Mccarthy	brooklyn.mccarthy5933@yahoo.com	4164728403
84	Connor	Ferguson	connor.ferguson7285@hotmail.com	6474912843
85	Ella	Gilbert	ella.gilbert6385@gmail.com	4164832927
86	Aiden	Bryant	aiden.bryant8477@yahoo.com	6474382925
87	Maya	Holloway	maya.holloway5924@hotmail.com	4164758300
88	Jackson	Holt	jackson.holt7293@gmail.com	6474921392
89	Aria	Lawson	aria.lawson3849@yahoo.com	4163925877
90	Lucas	McKinney	lucas.mckinney8478@hotmail.com	6474832927
91	Avery	Jennings	avery.jennings6386@gmail.com	4164728404
92	Gabriel	Bowman	gabriel.bowman5925@yahoo.com	6474912844
93	Sophia	Wallace	sophia.wallace7294@hotmail.com	6464832928
94	Eli	Douglas	eli.douglas8479@gmail.com	6474382926
95	Lily	Ferguson	lily.ferguson6387@yahoo.com	4164758301
96	Mason	Gordon	mason.gordon5926@hotmail.com	6474921393
97	Chloe	Grant	chloe.grant7295@gmail.com	4163925878
98	Levi	Higgins	levi.higgins7286@yahoo.com	6474832928
99	Ariana	Bates	ariana.bates8470@hotmail.com	4164728405
100	Isaac	Stevens	isaac.stevens6388@gmail.com	6474912845

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration

Projects X General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

enrollments 1 X

select \* from Enrollments Enter a SQL expression to filter results (use Ctrl+Space)

Enrollment_ID	Student_ID	Course_ID	Instructor_ID	Enrollment_Date	Enrollment_Fees
74	74	63	75	2022-03-05	2,100.5
75	75	68	78	2020-10-02	2,200.95
76	76	73	80	2021-06-16	2,300.4
77	77	78	83	2022-07-03	2,400.75
78	78	83	85	2020-08-08	2,500.55
79	79	88	88	2021-11-19	1,850.25
80	80	93	90	2022-05-25	1,950.6
81	81	98	93	2020-09-09	2,050.8
82	82	2	95	2021-07-30	2,150.35
83	83	7	97	2022-03-14	2,250.4
84	84	12	1	2020-10-27	2,350.65
85	85	17	3	2021-05-20	2,450.25
86	86	22	6	2022-06-06	2,000.8
87	87	27	8	2020-08-18	2,100.5
88	88	32	11	2021-12-28	2,200.9
89	89	37	13	2022-01-16	2,300.25
90	90	42	15	2020-09-29	2,400.55
91	91	47	17	2021-07-03	2,500.1
92	92	52	20	2022-04-23	1,850.75
93	93	57	22	2020-10-12	1,950.95
94	94	62	25	2021-05-08	2,050.5
95	95	67	27	2022-03-29	2,150.8
96	96	72	29	2020-11-07	2,250.25
97	97	77	31	2021-06-01	2,350.6
98	98	82	33	2022-07-14	2,450.35
99	99	87	36	2020-08-22	2,000.9
100	100	92	38	2021-12-19	2,100.25

Files - General X

Name DataSource

Record

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration

Projects X General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

grades 1 X

select \* from Grades Enter a SQL expression to filter results (use Ctrl+Space)

Grade_ID	Enrollment_ID	Grade_Value	Grade_Type
74	74	79.5	Project
75	75	87.1	Quiz
76	76	90.25	Final Exam
77	77	85.6	Homework
78	78	89.9	Midterm
79	79	82.4	Project
80	80	91.75	Quiz
81	81	84.5	Final Exam
82	82	88.6	Homework
83	83	93.2	Midterm
84	84	79.8	Project
85	85	86.4	Quiz
86	86	87.95	Final Exam
87	87	91.1	Homework
88	88	83.25	Midterm
89	89	88.75	Project
90	90	90.6	Quiz
91	91	85.4	Final Exam
92	92	89.2	Homework
93	93	92.5	Midterm
94	94	78.9	Project
95	95	86.75	Quiz
96	96	87.3	Final Exam
97	97	91.5	Homework
98	98	83.9	Midterm
99	99	88.1	Project
100	100	90.95	Quiz

Files - General X

Name DataSource

Record

# Execute 3 queries

File Edit Navigate Search SQL Editor Database Window Help

Projects X General

Connections mysql localhost:3306 Databases course\_registration Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales schoolmanagementsystem sys world

Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales schoolmanagementsystem sys world

General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

```
select * from Grades;
```

```
select * from students s
where Student_ID > 50
order by Student_ID desc
limit 20;
```

students 1 X

Grid AZ Student\_ID AZ First\_Name AZ Last\_Name DateOfBirth AZ Email\_ID AZ Phone AZ Address

	AZ Student_ID	AZ First_Name	AZ Last_Name	DateOfBirth	AZ Email_ID	AZ Phone	AZ Address
1	100	Trevor	McBride	2001-11-20	trevor.mcbride7593@hotmail.com	6474839207	1194 Pinecrest Apt. 205, West Kin
2	99	Sabrina	Nolan	2004-07-08	sabrina.nolan6384@yahoo.com	4163857924	7381 Oakridge Drive, East Lynnfield, ON
3	98	Adrian	Vargas	2002-03-15	adrian.vargas4721@gmail.com	6472958371	4212 Maplewood Avenue, North Brooks
4	97	Morgan	Clark	2003-09-17	morgan.clark692@gmail.com	6474912759	1942 Willow Street, East Pembroke, OH
5	96	Hunter	Palmer	2002-02-28	hunter.palmer3824@yahoo.com	4164759281	7291 Birch Avenue Apt. 409, West Newb
6	95	Sydney	Santos	2005-12-15	sydney.santos4278@gmail.com	6474392158	5613 Oak Street, South Hamilton, TX 751
7	94	Austin	Hines	2000-11-06	austin.hines3952@hotmail.com	4164372910	3022 Elm Lane Apt. 108, North Maplec
8	93	Brooke	Stanley	2004-08-20	brooke.stanley6143@gmail.com	6474821930	7820 Ashwood Street, East Ridgemont, I
9	92	Gabriel	Ferguson	2001-05-29	gabriel.ferguson7523@yahoo.com	6474892173	5655 Spruce Court, West Lakeview, WI 5
10	91	Jordan	Hines	2003-10-13	jordan.hines5342@gmail.com	6474912830	2180 Redwood Lane Suite 308, North Gl
11	90	Kayla	Butler	2005-03-08	kayla.butler2691@hotmail.com	4164728391	1024 Maple Street, East Brentwood, TN
12	89	Dylan	Freeman	2002-06-25	dylan.freeman4372@gmail.com	6474258190	5802 Oakridge Lane, South Westfield, M
13	88	Jenna	Armstrong	2000-09-14	jenna.armstrong7541@yahoo.com	4163925810	4431 Cedar Court Apt. 203, North Frankl
14	87	Tyler	Fox	2004-05-18	tyler.fox6921@gmail.com	6474382150	8362 Pineview Avenue Suite 405, West K
15	86	Avery	Gilbert	2001-04-04	avery.gilbert4395@hotmail.com	64164832951	1941 Willow Lane, East Pembroke, OH 4
16	85	Connor	Mendoza	2003-07-30	connor.mendoza3147@gmail.com	6474921587	7290 Birch Street Apt. 408, West Newbe
17	84	Morgan	Holland	2002-11-19	morgan.holland5692@yahoo.com	4164758299	5612 Oak Lane, South Hamilton, TX 750
18	83	Brandon	Jenkins	2005-02-22	brandon.jenkins8417@gmail.com	6474312598	3021 Elm Avenue Apt. 107, North Maple
19	82	Olivia	Reyes	2001-01-15	olivia.reyes6928@hotmail.com	4164827390	7819 Ashwood Court, East Ridgemont, C
20	81	Evan	Reed	2000-08-09	evan.reed5832@gmail.com	6474239180	5651 Spruce Street, West Lakeview, WI 5

Records 100

File Edit Navigate Search SQL Editor Database Window Help

Projects X General

Connections mysql localhost:3306 Databases course\_registration Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales schoolmanagementsystem sys world

Tables courses enrollments grades instructors students Views Indexes Procedures Triggers Events employee\_compensation employee\_salary mid\_term rda sakila sales schoolmanagementsystem sys world

General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

```
select * from Instructors;
```

```
where Instructor_ID < 40 and (First_Name like 'C%' or Phone like '%1');
```

instructors 1 X

Grid AZ Instructor\_ID AZ First\_Name AZ Last\_Name AZ Email\_ID AZ Phone

	AZ Instructor_ID	AZ First_Name	AZ Last_Name	AZ Email_ID	AZ Phone
1	2	Vanessa	Perez	vanessa.perez5123@y	4163928571
2	5	Caleb	Fisher	caleb.fisher6932@ya	6475298371
3	14	Brooke	Foster	brooke.foster6931@ya	4164839271
4	15	Christian	Henderson	christian.henderson21	6474215937
5	17	Alexis	Russell	alexis.russell7351@ya	6474382951
6	18	Calvin	Schmidt	calvin.schmidt4917@	4164758391
7	25	Chloe	Hale	chloe.hale1729@gma	6474382917
8	28	Tyler	Beck	tyler.beck4729@gma	4163928741
9	33	Grace	Holt	grace.holt3847@hot	6474385921
10	36	Austin	Marsh	austin.marsh4912@h	4163925871
11	39	Connor	Reid	connor.reid3847@ho	6474912839

Records 11

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto mysql course\_registration

Projects General <mysql> Script-5 <mysql> Script-6 <mysql> Script-7 <mysql> Script-8

General select \* from Enrollments;

```
SELECT Enrollment_Date, MAX(Enrollment_Fees) FROM Enrollments
GROUP BY Enrollment_Date
order by Enrollment_Date desc
limit 10;
```

enrollments 1

Grid

	Enrollment_Date	MAX(Enrollment_Fees)
1	2022-07-28	2,000.5
2	2022-07-14	2,450.35
3	2022-07-05	2,150.25
4	2022-07-03	2,400.75
5	2022-06-30	2,450.6
6	2022-06-20	2,000.25
7	2022-06-18	2,050.2
8	2022-06-06	2,000.8
9	2022-06-04	2,150.4
10	2022-05-27	2,500.5

Text

Record

Refresh Save Cancel < > Export data 200 10 10 row(s) fetched - 0.0s, on 2025-11-23 at 13:52:15

## Delete records with condition

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto mysql course\_registration

Projects General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

General delete from Grades  
where Grade\_Type = 'Homework';

Statistics 1

Name	Value
Updated Rows	20
Execute time	0.0s
Start time	Sun Nov 23 14:10:35 EST 2025
Finish time	Sun Nov 23 14:10:35 EST 2025
Query	delete from Grades where Grade_Type = 'HomeWork'

Files - General

Name

- Bookmarks
- Dashboards
- Diagrams
- Scripts

DataSource

Screenshot of MySQL Workbench showing the Grades table data.

```

delete from Grades
where Grade_Type = 'HomeWork';

select* from Grades;

```

**grades 1**

Grade_ID	Enrollment_ID	Grade_Value	Grade_Type
59	74	74	79.5 Project
60	75	75	87.1 Quiz
61	76	76	90.25 Final Exam
62	78	78	89.9 Midterm
63	79	79	82.4 Project
64	80	80	91.75 Quiz
65	81	81	84.5 Final Exam
66	83	83	93.2 Midterm
67	84	84	79.8 Project
68	85	85	86.4 Quiz
69	86	86	87.95 Final Exam
70	88	88	83.25 Midterm
71	89	89	88.75 Project
72	90	90	90.6 Quiz
73	91	91	85.4 Final Exam
74	93	93	92.5 Midterm
75	94	94	78.9 Project
76	95	95	86.75 Quiz
77	96	96	87.3 Final Exam
78	98	98	83.9 Midterm
79	99	99	88.1 Project
80	100	100	90.95 Quiz

## Adding new column to a table

Screenshot of MySQL Workbench showing the execution of an ALTER TABLE statement.

```

ALTER TABLE Instructors
ADD COLUMN Instructor_Type VARCHAR(20) after Phone;

```

**Statistics 1**

Name	Value
Updated Rows	0
Execute time	0.0s
Start time	Sun Nov 23 14:21:36 EST 2025
Finish time	Sun Nov 23 14:21:36 EST 2025
Query	ALTER TABLE Instructors ADD COLUMN Instructor_Type VARCHAR(20) after Phone

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration

General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

ALTER TABLE Instructors  
ADD COLUMN Instructor\_Type VARCHAR(20) after Phone;

select \* from Instructors;

instructors 1 X

	Instructor_ID	First_Name	Last_Name	Email_ID	Phone	Instructor_Type
1	1	Brandon	Watson	brandon.watson8471@gmail.com	6472913847	[NULL]
2	2	Vanessa	Perez	vanessa.perez5123@yahoo.com	4163928571	[NULL]
3	3	Ethan	Powell	ethan.powell3952@hotmail.com	6474839205	[NULL]
4	4	Julia	Gibson	julia.gibson7283@gmail.com	4162841973	[NULL]
5	5	Caleb	Fisher	caleb.fisher6932@yahoo.com	6475298371	[NULL]
6	6	Megan	Wallace	megan.wallace1748@hotmail.com	4164739205	[NULL]
7	7	Nathan	Barnes	nathan.barnes5920@gmail.com	6474832917	[NULL]
8	8	Hailey	Morris	hailey.morris4371@yahoo.com	4163729814	[NULL]
9	9	Dylan	West	dylan.west6803@hotmail.com	6474958372	[NULL]
10	10	Katherine	Hughes	katherine.hughes5274@gmail.com	4163891752	[NULL]
11	11	Tyler	Coleman	tyler.coleman3197@yahoo.com	6474982315	[NULL]
12	12	Sydney	Perry	sydney.perry7162@hotmail.com	4164728395	[NULL]
13	13	Logan	Reed	logan.reed4801@gmail.com	6474392815	[NULL]
14	14	Brooke	Foster	brooke.foster6931@yahoo.com	4164839271	[NULL]
15	15	Christian	Henderson	christian.henderson2147@hotmail.com	6474215937	[NULL]
16	16	Morgan	Cruz	morgan.cruz5290@gmail.com	4163925813	[NULL]
17	17	Alexis	Russell	alexis.russell7351@yahoo.com	6474382951	[NULL]
18	18	Calvin	Schmidt	calvin.schmidt4917@hotmail.com	4164758391	[NULL]
19	19	Vanessa	Mack	vanessa.mack2857@gmail.com	6474921583	[NULL]
20	20	Derek	Jennings	derek.jennings6148@yahoo.com	4164832957	[NULL]
21	21	Jasmine	Stewart	jasmine.stewart7482@hotmail.com	6474392715	[NULL]
22	22	Austin	Griffin	austin.griffin2917@gmail.com	4164723819	[NULL]
23	23	Lauren	Watkins	lauren.watkins6872@yahoo.com	6474912837	[NULL]

Refresh Save Cancel Export data 200 100 100 row(s) fetched - 0.0s (0.0s fetch), on 2025-11-23 at 14:22:43

## Drop a table

File Edit Navigate Search SQL Editor Database Window Help

Auto mysql course\_registration

General <mysql> Script-5 <mysql> Script-6 \*<mysql> Script-7 <mysql> Script-8

drop table Grades;

Statistics 1 X

Name	Value
Updated Rows	0
Execute time	0.0s
Start time	Sun Nov 23 14:30:35 EST 2025
Finish time	Sun Nov 23 14:30:35 EST 2025
Query	drop table Grades;

EST en Writable Smart Insert 607 : 1 : 32517 Set: 0 | 0