```
mysql> show tables
   Tables_in_universitysystem
   complaints
   course_registration
   courses
   grades
   professors
   semesters
   students
   users
  rows in set (0.01 sec)
ysql> describe complaints;
                                 Key
                           Null
                                       Default
 Field
                                                        Extra
                Type
 complaint_id
                int
                           NO
                                 PRI
                                       NULL
                                                         auto_increment
                                       NULL
 student_id
                int
                           NO
                                 MUL
 complaint_text
                           NO
                                       NULL
                text
                                                        DEFAULT_GENERATED
 complaint_date
                timestamp
                           YES
                                       CURRENT_TIMESTAMP
4 rows in set (0.01 sec)
mysql> describe
                                Null
                                              Default
 Field
                 Type
                                       Key
                                                       Extra
 course_id
                                        PRI
                                              NULL
                  int
                                NO
                                                        auto_increment
                  varchar(20)
 course_code
                                NO
                                        UNI
                                              NULL
 course_name
                  varchar(100)
                                NO
                                              NULL
 credits
                  int
                                NO
                                              NULL
 semester_id
                  int
                                 YES
                                        MUL
                                              NULL
 prerequisites
                  varchar(255)
                                YES
                                              NULL
6 rows in set (0.00 sec)
mysql> describe grades;
 Field
                               Null
                                            Default
                Type
                                      Key
  grade_id
                int
                               NO
                                      PRI
                                            NULL
                                                      auto_increment
  student_id
                int
                               NO
                                      MUL
                                            NULL
                                            NULL
  course_code
                varchar(20)
                               NO
                                      MUL
  grade
                varchar(2)
                               NO
                                            NULL
  semester_id
                int
                               YES
                                      MUL
                                            NULL
  rows in set (0.00 sec)
```

mysql> describe professors;								
Field	Туре	Null	Key	De-	fault	Extra		
professor_id user_id department courses	int int varchar(100) varchar(255)	NO NO YES YES	PRI MUL 	NUI NUI NUI NUI	L I	auto_increment 		
4 rows in set (0.00 sec)								
mysql> describe semesters;								
Field	Type	Null	L Key	De	efault	Extra	į	
semester_id semester_name start_date end_date	int varchar(20) date date	NO NO YES YES	PRI	NU NU	JLL JLL JLL JLL	auto_increment 		
4 rows in set (0		+	+	-+		+	+	
mysql> describe st	udents; +	+-	+	+		+	-+	
Field	Type +	Type		Iull Key Defaul		lt Extra		
student_id user_id enrollment_date major current_semester course_done contact_details	int int date varchar(1 id int varchar(2	.00) 	NO N	PRI IUL IUL	NULL NULL NULL NULL NULL NULL	auto_increment		
7 rows in set (0.0	+ 0 sec)	+-				-	+	
mysql> describe c	ourse_registra	tion;						
Field	_+ Type	-+ Nul	l Key	D	efault	Extra		
registration_id student_id course_code	-+ int int varchar(20)	NO NO NO	NO MUL		ULL ULL ULL	auto_increment auto_increment		
3 rows in set (0.	 00 sec)	- +		-+		+ +		

Field	Type	Null	Key	Default	Extra
user_id	int	+ NO	PRI	 NULL	auto_increment
email	varchar(255)	NO	UNI	NULL	ĺ
password	varchar(255)	NO		NULL	
user_type	<pre>enum('student','professor','administrator')</pre>	NO		NULL	

mysql> select * from users;							
user_id	email	password	user_type				
1	student1@example.com	password1	student				
2	student2@example.com	password2	student				
3	student3@example.com	password3	student				
4	student4@example.com	password4	student				
5	student5@example.com	password5	student				
6	student6@example.com	password6	student				
7	student7@example.com	password7	student				
8	student8@example.com	password8	student				
9	student9@example.com	password9	student				
10	student10@example.com	password10	student				
11	prof1@example.com	password1	professor				
12	prof2@example.com	password2	professor				
13	prof3@example.com	password3	professor				
14	prof4@example.com	password4	professor				
15	prof5@example.com	password5	professor				
16	prof6@example.com	password6	professor				
17	prof7@example.com	password7	professor				
18	prof8@example.com	password8	professor				
19	prof9@example.com	password9	professor				
20	prof10@example.com	password10	professor				
21	rahul@student.com	12345	student				
22	divyanshu@gmail.com	divyansh123	student				
+		t	 +				

ı	ysql> select * 	from complain	ts;	
	complaint_id	student_id	complaint_text	complaint_date
	1 2 3 4 5 6 7 8 9 10 1	2 3 4 5 6 7 8 9	The course materials are outdated and need revision. I am facing issues with the online registration system. The professor did not cover all the syllabus in class. There is a lack of communication regarding the exam schedules. The lab facilities are insufficient for the number of students. I have not received my grades for the last semester. There is no clarity about the internship opportunities. The classroom environment is not conducive to learning. I would like more information about the elective courses. There are technical issues with the online learning platform.	2024-10-16 13:43:40 2024-10-16 13:43:40
Ì	+ 0 rows in set (+		+

		+	+	·	
course_id	course_code	course_name 	credits	semester_id	prerequisites
1	CS101	Intro to Programming	3	1	NULL
2	MATH101	Calculus I	3	1	NULL
3	PHY101	Physics I	3	1	NULL
4	EE101	Basic Electrical Engineering	4	1	NULL
5	ME101	Engineering Mechanics	4	1	NULL
6	CS102	Data Structures	4	2	CS101
7	MATH102	Calculus II	3	2	MATH101
8	PHY102	Physics II	3	2	PHY101
9	EE102	Circuit Theory	4	2	EE101
10	ME102	Thermodynamics	4	2	ME101
11	CS201	Algorithms	4	3	CS102
12	MATH201	Linear Algebra	3	3	MATH102
13	PHY201	Mechanics	3	3	PHY102
14	EE201	Signals and Systems	4	3	EE102
15	ME201	Fluid Mechanics	4	3	ME102
16	CS202	Database Systems	4	4	CS201
17	MATH202	Differential Equations	3	ú.	MATH201
18	PHY202	Thermodynamics	3	ů.	PHY201
19	EE202	Electromagnetic Fields	4	4	EE201
20	ME202	Heat Transfer	4	4	ME201
21	CS301	Operating Systems	4	5	CS202
22	MATH301	Probability and Statistics	3	5	MATH202
23	PHY301	Ouantum Mechanics	3	5	PHY202
24	EE301	Control Systems	4	5	EE202
25	ME301	Manufacturing Processes	4	5	ME202
26	CS302	Software Engineering	4	6	CS301
27	MATH302	Software Engineering Numerical Methods	3	6	MATH301
28	PHY302	Material Science	3	6	PHY301
29	EE302	Material Science Power Systems	4	6	EE301
30	ME302	Machine Design	4	6	ME301
31	CS401	Machine Design Artificial Intelligence	4	7	CS302
			3	7	
32	MATH401	Optimization Techniques			MATH302
33	PHY401	Nano Technology	3	7	PHY302
34	EE401	Embedded Systems	4	7	EE302
35	ME401	Project Management	4	7	ME302
36	CS402	Machine Learning	4	8	CS401
37	MATH402	Operations Research	3	8	MATH401
38	PHY402	Renewable Energy Systems	3	8	PHY401
39	EE402	Digital Signal Processing	4	8	EE401
40	ME402	Engineering Economics	4	8	ME401

```
mysql> select * from course_registration;
  registration_id | student_id
                                   course_code
                                   CS101
                 1
                               1
                 2
                               1
                                   MATH101
                 3
                               1
                                   PHY101
                 4
                               2
                                   CS102
                 5
                                   MATH102
                               2
                 6
                               3
                                  CS201
                 7
                               3
                                   MATH201
                               4
                 8
                                  CS202
                 9
                                   MATH202
                               4
                10
                               5
                                   CS301
                11
                               5
                                   MATH301
                12
                               6
                                   CS302
                13
                               6
                                   MATH302
                               7
                14
                                   CS401
                15
                               7
                                   MATH401
                                   CS402
                16
                               8
                                   MATH402
                17
                               8
                                   EE101
                18
                               9
                21
                                   ME102
                               9
                                   EE102
                19
                              10
                                   ME101
                20
                              10
                                   PHY101
                22
                              10
22 rows in set (0.00 sec)
```

mysql> selec	t * from gra	ades;		
grade_id	student_id	course_code	grade	semester_id
1 1	1	CS101	Α	1
j 2 j	1	MATH101	В+	j 1 j
j 3 j	1	PHY101	A-	j 1 j
j 4 j	2	CS102	В] 2
5	2	MATH102	Α	2
6	3	CS201	C+	3
7	3	MATH201	B-	3
8	4	CS202	A+	4
9	4	MATH202	Α	4
10	5	CS301	C	5
11	5	MATH301	B+	5
12	6	CS302	Α	5
13	6	MATH302	B-	5
14	7	CS401	A-	6
15	7	MATH401	В	6
16	8	CS402	C+	6
17	8	MATH402	В	6
18	9	EE101	Α	1
19	10	EE102	B+	2
20	9	ME101	В	2
21	10	ME102	A-	2
++ 21 rows in s		-+	+	++
ZI IOWS III S	~ 1100 500	- <i>)</i> :33013.		
+	+	'	+	+
professor_i	d user_id +	department 	-	courses
1	1 11	Computer Science		CS101,CS102
	2 12	Electrical Engineering		EE101,EE102 ME101,ME102
	3 13		Mechanical Engineering	
	4 14	Civil Engineering		CE101,CE102
:	5 15	Chemical Engine		CHE101, CHE102
	6 16 7 17	Information Tec Computer Science		IT101,IT102 CS201,CS202
	7 17 8 18	Electrical Engi		EE201,EE202
	9 19	Mechanical Engi		ME201, ME202
j 1		Civil Engineeri		CE201,CE202

10 rows in set (0.00 sec)

mysql> se	ele	ct * f1	rom semester	s ;				
semester_id +			semester_name		start_date		end_date	
	1 2 3 4 5 6 7 8		First Semester Second Semester Third Semester Fourth Semester Fifth Semester Sixth Semester Seventh Semester Eighth Semester		2024-01-01 2024-07-01 2025-01-01 2025-07-01 2026-07-01 2027-07-01		2024-06-01 2024-12-01 2025-06-01 2025-12-01 2026-06-01 2026-12-01 2027-06-01 2027-12-01	
mysql> select * from	m stude	ents;						
student_id user	+_ _id e	enrollment_date	major	current_s	emester_id	+ course_done		++ contact_details
1 2 3 4 5 6 7 8 9 10 234	2 2 3 2 4 2 5 2 6 2 7 2 8 2 9 2	2022-08-01 2022-08-01 2023-01-10 2023-01-10 2023-08-15 2023-08-15 2023-08-15 2023-01-20 2023-08-15 2023-08-15	Computer Science Electrical Engineering Mechanical Engineering Civil Engineering Chemical Engineering Information Technology Computer Science Electrical Engineering Mechanical Engineering Civil Engineering Artificial_intelligance		1 1 2 2 3 3 4 4 5 5	CS101, MATH101, PHY CS101, CS102, MATH1 MATH101, PHY101, ME CS101, CS102, MATH1 MATH101, PHY101, EE CS101, CS102, PHY16 CS101, MATH101, EE CS101, MATH101, CS MATH101, PHY101, CS CS101, CS102, PHY6 CS101, CS102, PHY6 CS101, MATH101, EE	.01, EE101 .101, EE101 .01, MATH102 .101, ME101 .11, PHY102 ., ME101 .101, CS102	1234567890 2345678901 3456789012 4567890123 5678901234 6789012345 7890123456 8901234567 9012345678 0123456789 8765432109