

STUDENT MANAGEMENT SYSTEM

-HEMA. B



Query 1: Retrieve female gender in student table

```
select first_name, gender from student where  
gender="F";
```

first_name	gender
Hema	F
Kavin	F
Divya	F
Selvi	F
Pavitha	F
Veda	F

#Query 2: Retrieve the student and the along with the grade

```
select s.studentID, s.first_name, s.last_name, g.grade  
from grade as g  
inner join student as s  
on s.gradeID=g.gradeID;
```

studentID	first_name	last_name	grade
1	Hema	Bhasekaran	A+
2	Ajith	Kumar	B
3	Kavin	Rosan	A
4	Divya	Sri	B+
5	Selvi	Subbu	B++
6	Pavitha	Rraj	C++
7	Hari	Haran	A++
8	Veda	Valli	C+
9	Hari	Haran	A+
10	Sari	Kumar	C

#Query 3: Retrieve the course and the along with the instructors

```
select c.course_name, i.instructors_name, i.instructorsID
from instructors as i
right join course as c
on c.instructorsID=i.instructorsID;
```

course_name	Instructors_name	instructors
Python	Sabari	1
SQL	Babu	2
PowerBI	Gowtham	3
Java	Karthi	5
Data Science	Sabari	1
loud Computing	Gukan	4
UI/UX Design	Babu	2

#Query 4: Retrieve the enrollments and the along with the student

```
select s.first_name, s.studentID, e.enrollments  
from student as s  
left join enrollments as e  
on e.studentID=s.studentID;
```

first_name	studentID	enrollments
Hema	1	20241214
Ajith	2	20241124
Kavin	3	20241001
Divya	4	20241229
Selvi	5	20241107
Pavitha	6	20241111
Hari	7	20241112
Veda	8	20241230
Hari	9	20241222
Sari	10	20241220

#Query 5: List the student names and their respective gradeID in descending order of grade

```
select studentID, first_name, gender from student  
order by gradeID desc;
```

student ID	first_name	last_name	gender	gradeID
10	Sari	Kumar	M	9
8	Veda	Valli	F	8
6	Pavitha	Rraj	F	7
2	Ajith	Kumar	M	6
4	Divya	Sri	F	5
5	Selvi	Subbu	F	4
3	Kavin	Rosan	F	3
1	Hema	Bhasekaran	F	2
9	Hari	Haran	M	2
7	Hari	Haran	M	1

#Query 6: Display the total count of course in each instructors

```
select instructorsID, count(courseID) from course  
group by instructorsID;
```

insetractorsID	count(courseID)
1	2
2	2
3	1
4	1
5	1
1	2
2	2

#Query 7: Retrieves all columns for students whose age matches the minimum age

```
select * from student where age=  
(select min(age) from student);
```

student ID	first_name	last_name	gender	age	location	gradeID
2	Ajith	Kumar	M	18	Chennai	6
4	Divya	Sri	F	18	Velur	5
8	Veda	Valli	F	18	Nellai	8
10	Sari	Kumar	M	18	Kadalur	9