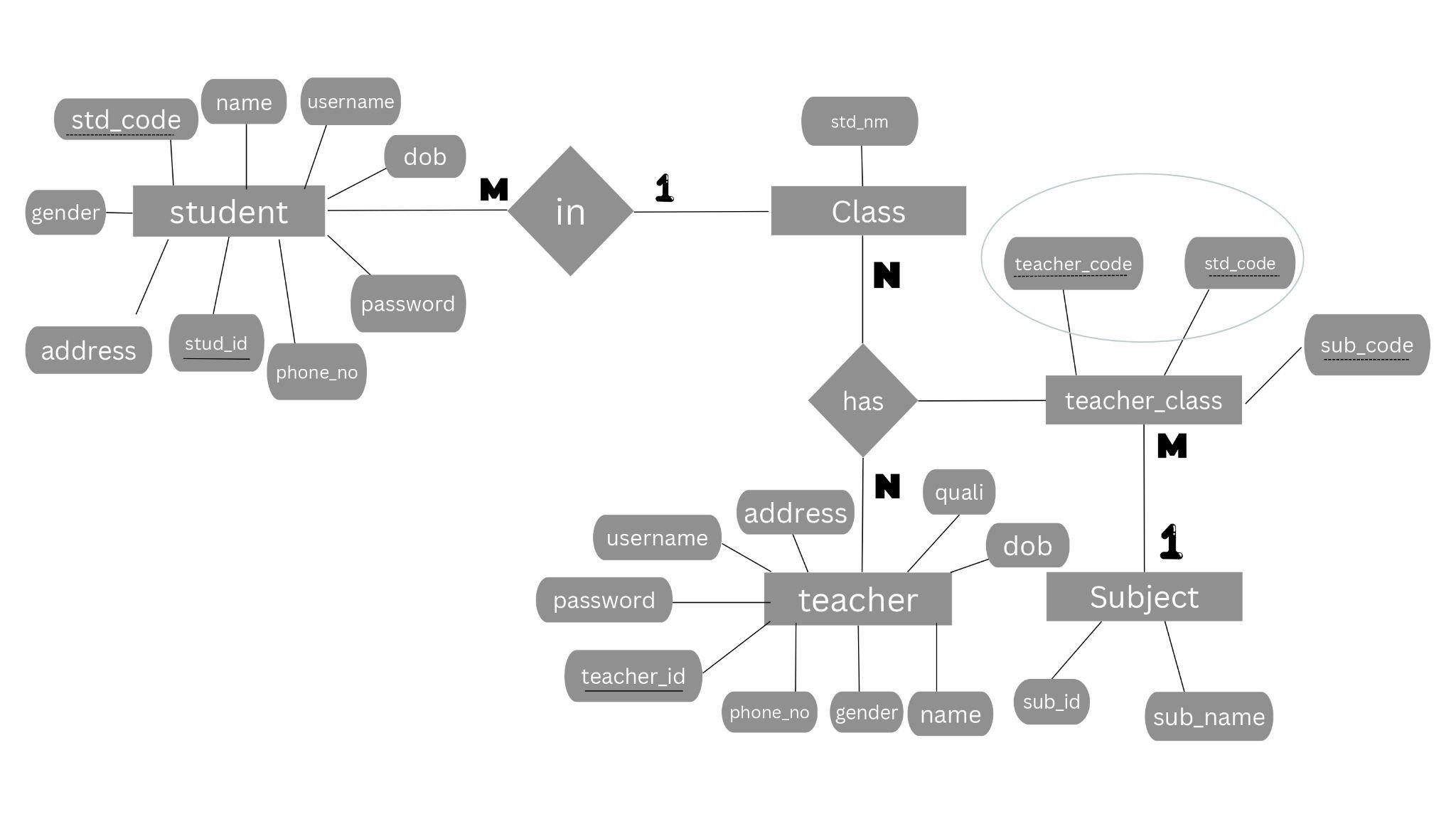
**ER Diagram:**

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**Query’s:**

**Table creation:**

1. mysql> create table student (stud\_id int primSelect stud\_id,name,gen,std\_code,dob,phone\_no from Student order by(stud\_id)desc limit 5ary key,name varchar(20) not null,gen char not null,std\_code varchar(10) not null,dob date not null,phone\_no bigint(10) not null,address varchar (60) not null,username varchar(20),password varchar(15));
2. mysql> create table class (std\_id varchar(10) primary key);
3. mysql> create table teacher (teacher\_id int(5) primary key,name varchar(20) not null,gen char not null,quali varchar(10) not null,dob date not null,phone\_no bigint(10) not null unique,address varchar(60) not null,username varchar(20) not null,password varchar(15) not null);
4. mysql> create table subject(sub\_id int(5) primary key,sub\_name varchar(20) not null);
5. mysql>create table teach\_class(std\_code varchar(10) ,teacher\_code int ,sub\_code int)

**Relationship:**

1. mysql> alter table student add foreign key(std\_code) references class(std\_id);
2. mysql> alter table teach\_class add foreign key(teacher\_code) references teacher(teacher\_id);
3. mysql> alter table teach\_class add foreign key(std\_code) references class(std\_id);
4. mysql> alter table teach\_class add foreign key(sub\_code) references subject(sub\_id);
5. mysql> alter table teach\_class add primary key(teacher\_code,std\_code);

**Data fetching :**

1. mysql> select class.std\_id,subject.sub\_name from teacher,class,teach\_class,subject where teacher.teacher\_id=teach\_class.teacher\_code and class.std\_id=teach\_class.std\_code and subject.sub\_id=teach\_class.sub\_code and teacher.teacher\_id=502;
2. SELECT teacher.name, subject.sub\_name FROM teacher, class , teach\_class , subject where teacher\_id=teacher\_code and sub\_id=sub\_code and std\_id=std\_code and std\_id="6th std";
3. update student set username=%s,password=%s where stud\_id=%s
4. Select stud\_id,name,gen,std\_code,dob,phone\_no from Student order by(stud\_id)desc limit 5

etc.