```
create table School(
	school_id int primary key,
	school_name varchar(40) not null,
	school_address varchar(50) not null,
			school_phone_no varchar(20) unique

);



create table subject_reg(

	subject_id int primary key,
			subject_name varchar(30)  not null,
			subject_date date not null,
	subject_duration varchar(4)
);
create table teacher(
	 teacher_id int primary key,
	 teacher_name varchar(40) not null,
			 teacher_phone_no int not null,
	 teacher_email varchar(40) unique,
	 teacher_gender varchar(20) not null,
	 teacher_join_date date not null,
	 subject_id int,
```

```
                    foreign key(subject_id) references subject_reg(subject_id)
    on delete cascade

);
create table parent(
            parent_id int primary key,
    parent_name varchar(40) not null,
    parent_phone_no varchar(20) unique ,
    parent_occupation varchar(30) not null
);
create table student(
                    student_id int primary key,
    first_name varchar(20),
    last_name varchar(25),
    address varchar(50),
    class varchar(10),
    gender varchar(10),
    Date_of_birth date,
    phone_no varchar(11),
    parent_id int,
    foreign key(parent_id) references parent(parent_id)
    on delete cascade

);
```

```
create table rooms(
    room_id int primary key,
    room_no int,
    room_type varchar(10)
);

create table class(
     class_id int primary key,
     class_name varchar(20),
     student_id int,
     subject_id int,
     teacher_id int,
     room_id int,
     class_date date not null,
     start_time time ,
     end_time time,
     foreign key(student_id) references student(student_id)
     on delete cascade,
     foreign key(subject_id) references subject_reg(subject_id)
     on delete cascade,
     foreign key(teacher_id) references teacher(teacher_id)
     on delete cascade,
     foreign key(room_id) references rooms(room_id)
     on delete cascade
);
```

```
create table designation(
    designation_id int primary key,
    designation_name varchar(20) not null
);

create table employee_type(
   emp_type_id int primary key,
   emp_type_name varchar(20) not null
);

create table employee(
      emp_id int primary key,
      emp_name varchar(15) not null,
      emp_No int not null,
      emp_father_name varchar(15) not null,
      emp_CNIC_NO varchar(15) unique,
      emp_phone_No int unique,
      emp_join_date date not null,
      emp_status varchar(15) not null,
       designation_id int ,
      emp_type_id int not null,
      emp_category_id int not null,

            foreign key(designation_id) references designation(designation_id),
```

```
        foreign key(emp_type_id) references employee_type(emp_type_id)
);



create table salary(
    salary_id int primary key,
    emp_id int not null,
    total_salary decimal(18,3) not null,
    designation_id int,

   foreign key(emp_id) references employee(emp_id),
        foreign key( designation_id) references designation(designation_id)
);



create table exam_type(
exam_type_id int primary key,
exam_type_name varchar(10)
);
create table exam(
   exam_id int primary key,
   exam_date date not null,
   exam_type_id int not null,
   student_id int ,
   teacher_id int,
```

```
    subject_id int,
    marks int,
    foreign key(student_id) references student(student_id),
    foreign key(teacher_id) references teacher(teacher_id),
    foreign key(subject_id) references subject_reg(subject_id),
    foreign key(exam_type_id) references exam_type(exam_type_id)
);

create table fee_dues(
        fee_dues_id int primary key,
        dues_date date,
        due_amount decimal(18,3)
        );

create table fee_type(
   fee_type_id int primary key,
   fee_type_name varchar(20),
   status varchar(20) not null,
   amount decimal(18,3)
);

create table fee(
     fee_id  int primary key,
     student_id int not null,
     fee_date date not null,
```

```
    invoice_no int not null,
    last_date date not null,
    amount decimal(18,3) not null,

    fee_type_id int,
    fee_dues_id int,

        foreign key(fee_dues_id) references fee_dues(fee_dues_id),
   foreign key( fee_type_id) references fee_type( fee_type_id)
);
create table paper(
  p_id int primary key,
  student_id int,
  teacher_id int,
  subject_id int,
  exam_id int,
  p_date date,
  total_marks int not null,
  obtained_marks int not null,

  foreign key(student_id) references student(student_id),
  foreign key(teacher_id) references teacher(teacher_id),
  foreign key(subject_id) references subject_reg(subject_id),
  foreign key(exam_id) references exam(exam_id)
```

);