**Task 1 :**

Select \* from employees;

**Task 2 :**

Select name, salary from employees;

**Task 3 :**

Select \* from employees where salary > 50000;

**Task 4 :**

Select \* from employees where name like “J%”;

**Task 5 :**

Select \* from employees where department in (1,2,3)

**Task 6 :**

Select \* from employees order by hire\_date desc

**Task 7 :**

Select count(\*) from employees

**Task 8 :**

Select sum(salary) from employees

**Task 9 :**

Select avg(salary) from employees

**Task 10 :**

Select min(salary), max(salary) from employees

**Task 11 :**

Select \* from employees where salary > 50000;

Select avg(salary), department from employees group by department having avg(salary) >50000;

**Task 12 :**

Create table employees (

Id int primary key,

Name varchar(255))

Create table employee\_details (

Id int primary key,

emp\_id int not null unique,

Details varchar(255),

Foreign key (emp\_id) references employees.id;

**Task 13 :**

Create table departments (

Id int primary key auto\_increment,

Dep\_name varchar(255) not null)

Create table employees (

Id int primary key auto increment,

Name varchar(255) not null,

dep\_id int,

Foreign key (dep\_int) references departments(id);

**Task 14 :**

Create table students (

Id int autor\_increment primary key,

Name varchar(255))

Create table courses (

Id int auto\_increment primary key,

Title varchar(255))

Create table student\_courses (

Std\_id int,

Course\_id int,

Primary key (std\_id, course\_id),

Foreign key(std\_id) references students(id)

Foreign key(course\_id) references courses(id)

**Task 15 :**

Alter table employees add dep\_id int ;

Alter table employees add constraint reference foreign key (dep\_int) references department(id);

**Task 16 :**

Alter table employees add constraint name\_nulling NOT NULL (name);

**Task 17 :**

Alter table employees add constraint unique\_emails unique (email)

**Task 18 :**

Alter table employees add constraint chk\_salary check (salary>0)

**Task 19 :**

Alter table employees add status varchar(10) default(‘active’)

**Task 20 :**