Consider the following database

Project(project\_id,proj\_name,chief\_arch) , project\_id is primary key

Employee(Emp\_id,Emp\_name) , Emp\_id is primary key

Assigned-To(Project\_id,Emp\_id)

**Find the SQL queries for the following:**

1. Get the details of employees working on project C353

select Employee.Emp\_id , Employee.Emp\_name from Employee , Assigned\_to

where Employee.Emp\_id = Assigned\_to.Emp\_id and Assigned\_to.Project\_id='C353';

1. Get employee number of employees working on project C353

select Employee.Emp\_id from Employee , Assigned\_to

where Employee.Emp\_id = Assigned\_to.Emp\_id and Assigned\_to.Project\_id='C353';

1. Obtain details of employees working on Database project

select e.\* from Employee e , Assigned\_to a , project p

where e.Emp\_id = a.Emp\_id and a.Project\_id= p.project\_id and p.proj\_name = 'abc';

1. Get details of employees working on both C353 and C354

select e.\* from Employee e ,Assigned\_to a where e.Emp\_id = a.Emp\_id and a.Project\_id in('C353','C355');

1. Get employee numbers of employees who do not work on project C453

select distinct (e.Emp\_id) from Employee e ,Assigned\_to a where e.Emp\_id = a.Emp\_id and a.Project\_id not in('C453');

**1. Get the duty allocation details for emp\_no 123461 for the month of April 1986.**

select posting\_no., shift, day

from Duty\_allocation

where emp\_no = 123461 and

Day ≥ 1986-04-01 and Day ≤ 1986-04-30 ;

**2. Find the shift details for Employee ‘xyz’**

select posting\_no., shift, day

from Duty\_allocation, Employee

where Duty allocation.emp\_no. = Employee.emp\_no and

Name = 'XYZ';

**3. Get employees whose rate of pay is more than or equal to the rate of pay of employee ‘xyz’**

select S.name, S.pay\_rate from Employee as S, Employee as T where S.pay\_rate > T.pay\_rate and T.name = 'XYZ';

**4. Get the names and pay rates of employees with emp\_no less than 123460 whose rate of pay is more than the rate of pay of at least one employee with emp\_no greater than or equal to 123460.**

Select name, pay\_rate from Employee where emp\_no < 123460 and pay\_rate > some (select pay\_rate from Employee where emp\_no ≥ 123460);

**5. Find the names of employees who are assigned to all positions that require a Chef’s skill**

select S.Name from Employee S where (select posting\_no from Duty\_allocation D where S.emp\_no = D.emp\_no) contains (select P.posting\_no from position P where P.skill = 'Chef');

**6 .Find the employees with the lowest pay rate**

select emp\_no, Name, Pay\_rate from Employee where pay\_rate ≤ all (select pay\_rate from Employee)

**7 .Get the employee numbers of all employees working on at least two dates.**

select emp\_no from Duty\_allocation group by emp\_no having (count;\*) > 1

**8 .Get a list of names of employees with the skill of Chef who are assigned a duty**

select Name from Employee where emp\_no in ((select emp\_no from Employee where skill = 'Chef') intersect (select emp\_no from Duty\_allocation));

**9 .Get a list of employees not assigned a duty**

(select emp\_no from Employee) minus (select emp\_no from Duty\_allocation)

**10.Get a count of different employees on each shift**

select shift, count (distinct emp\_no) from Duty\_allocation group by shift;