create table department(

dep\_id int primary key,

dep\_name varchar(15)

);

|  |  |  |
| --- | --- | --- |
| **Name** | **Null?** | **Type** |
| DEP\_ID | NOT NULL | NUMBER(38) |
| DEP\_NAME |  | VARCHAR2(15) |

create table Employee(

emp\_id int primary key,

empname varchar(15),

Depart\_name varchar(15) references department(dep\_name),

salary int,

hire\_date date

);

|  |  |  |
| --- | --- | --- |
| **Name** | **Null?** | **Type** |
| EMP\_ID | NOT NULL | NUMBER(38) |
| EMPNAME |  | VARCHAR2(15) |
| DEPART\_NAME |  | VARCHAR2(15) |
| SALARY |  | NUMBER(38) |
| HIRE\_DATE |  | DATE |

insert into Employee values(1,'john Doe','sales',50000,'01.JAN.2019');

insert into Employee values(2,'Smith','HR',55000,'15.MAR.2018');

insert into Employee values(3,'Scott','sales',60000,'12.JUN.2017');

insert into Employee values(4,'Bam','IT',77000,'19.SEP.2020');

insert into Employee values(5,'Rachel','HR',66000,'01.JUL.2016');

insert into Employee values(6,'Gon','sales',57000,'21.MAR.2015');

insert into Employee values(7,'Killua','IT',80000,'13.SEP.2017');

insert into Employee values(8,'Alfred','HR',82000,'19.AUG.2018');

insert into Employee values(9,'Caral','sales',50000,'07.NOV.2022');

insert into Employee values(10,'Alphones','IT',55000,'10.OCT.2021')

insert into Employee values(11,'Alex','sales',60000,'12.JUN.2021')

insert into Employee values(12,'Lisa','sales',55000,'09.DEC.2023')

a) select \* from Employee where salary>60000;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EMP\_ID** | **EMPNAME** | **DEPART\_NAME** | **SALARY** | **HIRE\_DATE** |
| 4 | Bam | IT | 77000 | 19-SEP-20 |
| 5 | Rachel | HR | 66000 | 01-JUL-16 |
| 7 | Killua | IT | 80000 | 13-SEP-17 |
| 8 | Alfred | HR | 82000 | 19-AUG-18 |

b) select empname,hire\_date from Employee where hire\_date>'01.JAN.2020';

|  |  |
| --- | --- |
| **EMPNAME** | **HIRE\_DATE** |
| Bam | 19-SEP-20 |
| Caral | 07-NOV-22 |
| Alphones | 10-OCT-21 |

d) select department.dep\_name,count(Employee.empname) from Employee

inner join department On department.dep\_name=Employee.Depart\_name

group by department.dep\_name;

|  |  |
| --- | --- |
| **DEP\_NAME** | **COUNT(EMPLOYEE.EMPNAME)** |
| HR | 3 |
| IT | 3 |
| sales | 4 |

select department.dep\_name,max(Employee.salary) from Employee

inner join department on department.dep\_name=Employee.Depart\_name

group by department.dep\_name;

|  |  |
| --- | --- |
| **DEP\_NAME** | **MAX(EMPLOYEE.SALARY)** |
| HR | 66000 |
| IT | 80000 |
| sales | 60000 |

e) select department.dep\_name from Department inner join Employee on department.dep\_name=Employee.Depart\_name group by department.dep\_name having count(Employee.emp\_id)>5;

f)select empname from Employee where salary >(select avg(salary) from Employee);

|  |
| --- |
| **EMPNAME** |
| Bam |
| Rachel |
| Killua |
| Alfred |

|  |
| --- |
| **DEP\_NAME** |
| sales |