Assignment 2 -SQL

Name: Krunal Rank

Roll No: U18C0081

Class: BTech 2nd Year

Division: B

1.

SELECT Projects.Project_Description, Employee.Emp_Name

FROM Project_Allocation, Employee, Projects

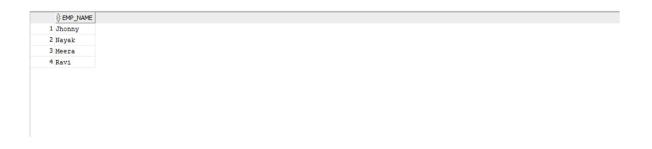
WHERE Project_Allocation.Project_Code = Projects.Project_Code

AND Employee. EmpNo = Project_Allocation. EmpNo;

♦ PROJECT_DESCRIPTION	EMP_NAME
1 Environment Pollution	Jhonny
2 Environment Pollution	Nayak
3 Learning Curve	Meera
4 Learning Curve	Ravi
5 Learning Curve	Nancy
6 Effects of IT	Jhonny
7 Effects of IT	Nayak
8 Effects of IT	Meera
9 Effects of IT	Hari
Effects of IT	Nick

```
2.
```

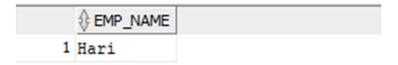
```
SELECT Emp_Name
FROM Employee
WHERE Emp_Status='C';
```



SELECT Emp_Name

FROM Employee

WHERE EXTRACT(MONTH FROM Emp_Join_Date) = 11;



SELECT Projects.Project_Description
FROM Projects
WHERE Project_End_Date>'01-01-2006';

♦ PROJECT_DESCRIPTION

- 1 Environment Pollution
- 2 Learning Curve

SELECT Employee.Emp_Name

FROM Project_Allocation NATURAL JOIN Employee NATURAL JOIN Projects

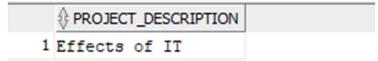
WHERE Projects.Project_Description='Effects of IT';

1	Jhonny
2	Nayak
3	Meera
4	Hari
5	Nick

SELECT Project_Description

FROM Projects

WHERE Project_End_Date is NULL;



SELECT Employee.Emp_Name

FROM Project_Allocation NATURAL JOIN Employee

WHERE Project_Code = 'P002' AND Emp_Proj_Release_Date IS NOT
NULL;



1 Meera

```
SELECT Project_End_Date - Project_Start_Date
FROM Projects
WHERE Project_Code = 'P002';
```

PROJECT_END_DATE-PROJECT_START_DATE +5156 06:00:00.000000

SELECT Emp_Name, CASE

WHEN Emp_Proj_Release_Date IS NOT NULL THEN

(Emp_Proj_Release_Date -

Project_Allocation. Emp_Proj_Alloc_Date)

ELSE

CASE WHEN Project_End_Date IS NULL THEN

(TO_DATE(SYSDATE, 'DD-MM-YY') -

Emp_Proj_Alloc_Date)

ELSE

(Project_End_Date -

Emp_Proj_Alloc_Date)

END

END

FROM Project_Allocation NATURAL JOIN Employee NATURAL JOIN Projects;

		♦ DAYS
1	Jhonny	497
2	Jhonny	4849
3	Nayak	482
4	Nayak	4849
5	Meera	-18
6	Meera	4837
7	Ravi	32
8	Hari	4849
9	Nancy	-306
10	Nick	4831

ALTER TABLE Projects ADD Manager_Id NUMBER(10);

Table PROJECTS altered.

Name		Null?		Type	
	PROJECT_CODE	NOT	NULL	VARCHAR2 (20)	
	PROJECT_DESCRIPTION	NOT	NULL	VARCHAR2 (500)	
	PROJECT_START_DATE			DATE	
	PROJECT_END_DATE			DATE	
	MANAGER_ID			NUMBER (10)	

```
ALTER TABLE Projects ADD FOREIGN KEY(Manager_Id) REFERENCES

Employee(EmpNo);

UPDATE Projects SET Manager_Id = 101

WHERE Project_Code = 'P001';

UPDATE Projects SET Manager_Id = 202

WHERE Project_Code = 'P002';

UPDATE Projects SET Manager_Id = 116

WHERE Project_Code = 'P003';
```

	♦ PROJECT_CODE		♦ PROJECT_START_DATE	PROJECT_END_DATE	
1	P001	Environment Pollution	02-08-05	11-12-06	101
2	P002	Learning Curve	01-02-06	15-03-06	202
3	P003	Effects of IT	03-01-07	(null)	116

```
INSERT INTO Projects

(Project_Code, Project_Description, Project_Start_Date)

VALUES('P004', 'Election Rage', '01-03-2007');
```

	♦ PROJECT_CODE	♦ PROJECT_DESCRIPTION	♦ PROJECT_START_DATE	PROJECT_END_DATE	MANAGER_ID
1	P001	Environment Pollution	02-08-05	11-12-06	101
2	P002	Learning Curve	01-02-06	15-03-06	202
3	P003	Effects of IT	03-01-07	(null)	116
4	P004	Election Rage	01-03-07	(null)	(null)

DELETE FROM Projects

WHERE Project_Description='Effects of IT';

PROJECT_CODE			PROJECT_END_DATE	MANAGER_ID
1 P001	Environment Pollution	02-08-05	11-12-06	101
2 P002	Learning Curve	01-02-06	15-03-06	202
3 P004	Election Rage	01-03-07	(null)	(null)

SELECT Project_Description

FROM Projects

WHERE Project_End_Date IS NULL OR (Project_End_DateProject_Start_Date) >= 395;

	♦ PROJECT_DESCRIPTION
1	Environment Pollution
2	Election Rage

SELECT Emp_Name, Project_Description FROM Project_Allocation
NATURAL JOIN Employee NATURAL JOIN Projects WHERE
Emp_Proj_Alloc_Date<'01-03-2007' AND (Emp_Proj_Release_Date is
NULL OR Emp_Proj_Release_Date>='01-02-2006');

		♦ PROJECT_DESCRIPTION
1	Jhonny	Environment Pollution
2	Nayak	Environment Pollution
3	Ravi	Learning Curve
4	Nancy	Learning Curve