CODTECH IT SLOUTIONS INTERNSHIP TASK 1 [SQL]

Here are the different types of the JOINs in SQL:

- (INNER) JOIN: Returns records that have matching values in both tables
- LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table
- RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table
- FULL (OUTER) JOIN: Returns all records when there is a match in either left or right table

TABLES CREATION SCRIPT

```
-create database KARTHIKSV119
_create table employee112(
 empid int ,
 name varchar(50),
 deptid int
 );
insert into employee112 values
 (1, 'karthik', 101),
 (2, 'madhan', 102),
 (3, 'kiran', Null),
 (4, 'gopi', 104);
⊡create table Department113(
 deptid int,
 deptname varchar(50)
 );
insert into Department113 values
  (101, 'HR'),
 (102, 'Finance'),
  (103, 'IT');
```

	empid	name	deptid
1	1	karthik	101
2	2	madhan	102
3	3	kiran	NULL
4	4	gopi	104

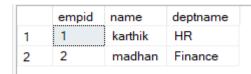
	deptid	deptname
1	101	HR
2	102	Finance
3	103	IT

INNER JOIN

select empid, name, deptname

from employee112

inner join Department113 on employee112.deptid=Department113.deptid



RIGHT JOIN

select empid, name, deptname

from employee112

right join Department113 on employee112.deptid=Department113.deptid

	empid	name	deptname
1	1	karthik	HR
2	2	madhan	Finance
3	NULL	NULL	IT

LEFT JOIN

select empid, name, deptname

from employee112

left join Department113 on employee112.deptid=Department113.deptid

	empid	name	deptname
1	1	karthik	HR
2	2	madhan	Finance
3	3	kiran	NULL
4	4	gopi	NULL

FULL JOIN

select empid, name, deptname

from employee112

full join Department113 on employee112.deptid=Department113.deptid

	empid	name	deptname
1	1	karthik	HR
2	2	madhan	Finance
3	3	kiran	NULL
4	4	gopi	NULL
5	NULL	NULL	IT