ASSIGNMENT NO.: 4

1]

CREATE TABLE customer\_master

(cust\_no INT, f\_name char(10),l\_name char(10), primary key(cust\_no));

SELECT \*FROM customer\_master);

|  |  |  |
| --- | --- | --- |
| **CUST\_NO** | **F\_NAME** | **L\_NAME** |
| 1 | sayali | Tembe |
| 2 | swara | Tembe |
| 3 | sayali | Kadam |
| 4 | Iven | Bayro |

**CREATE TABLE add\_detail**

(cust\_no INT,add1 char(10), add2 char(10),city char(10),state char(20),pin\_code INT,

foreign key(cust\_no) references customer\_master);

SELECT \*FROM add\_detail

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CUST\_NO** | **ADD1** | **ADD2** | **CITY** | **STATE** | **PIN\_CODE** |
| 1 | pune | vadgaon | pune | Maharashtra | 411041 |
| 2 | pune | Haveli | pune | Maharashtra | 411041 |
| 3 | mangaon | lonere | lonere | Maharashtra | 402103 |
| 4 | mangaon | lonere | lonere | Maharashtra | 402103 |

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Retrieve the address details of customer having name 'Evan

select \*from add\_detail where cust\_no in (

select cust\_no from customer\_master where f\_name='Iven'

and l\_name='Bayross');

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CUST\_NO** | **ADD1** | **ADD2** | **CITY** | **STATE** | **PIN\_CODE** |
| 4 | mangaon | lonere | lonere | Maharashtra | 40210 |

2]

CREATE TABLE customer\_master

(cust\_no INT, f\_name char(10),l\_name char(10), primary key(cust\_no));

|  |  |  |
| --- | --- | --- |
| **CUST\_NO** | **F\_NAME** | **L\_NAME** |
| 1 | sayali | Tembe |
| 2 | swara | Tembe |
| 3 | sayali | Kadam |
| 4 | Iven | Bayro |

CREATE TABLE fd\_acc

(cust\_no INT,fd\_acc\_no INT,primary key(fd\_acc\_no),foreign key(cust\_no) references customer\_master);

SELECT \* FROM fd\_acc;

|  |  |
| --- | --- |
| **CUST\_NO** | **FD\_ACC\_NO** |
| 1 | 3254 |
| 2 | 3255 |
| 3 | 3256 |
| 4 | 3257 |

CREATE TABLE fd\_detail

(fd\_acc\_no INT,amount INT,foreign key(fd\_acc\_no) references fd\_acc);

SELECT \*FROM fd\_detail;

|  |  |
| --- | --- |
| **FD\_ACC\_NO** | **AMOUNT** |
| 3254 | 10000 |
| 3255 | 11000 |
| 3256 | 3000 |
| 3257 | 6000 |

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List the customers holding fixed deposits in the bank of amount greater than 5000

SELECT \* FROM customer\_master where cust\_no=any(SELECT cust\_no FROM fd\_acc where fd\_acc\_no = any(SELECT fd\_acc\_no FROM fd\_detail where amount > 5000));

|  |  |  |
| --- | --- | --- |
| **CUST\_NO** | **F\_NAME** | **L\_NAME** |
| 1 | sayali | Tembe |
| 2 | swara | Tembe |
| 4 | Iven | Bayross |

3]

create table acc\_master1(

acc\_no int,

curr\_bal int,

branch\_no int

);

select \* from acc\_master1;

|  |  |  |
| --- | --- | --- |
| **ACC\_NO** | **CURR\_BAL** | **BRANCH\_NO** |
| 110 | 1000 | 1001 |
| 120 | 2000 | 1002 |
| 130 | 3000 | 1003 |
| 140 | 4000 | 1001 |

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List accounts along with current balance, the branch to which it belongs with average of the balance

in that branch having balance more than average balance of the branch to which the account

select avg(curr\_bal) from acc\_master1 where branch\_no = 1001;

|  |
| --- |
| **AVG(CURR\_BAL)** |
| 2500 |

select \* from acc\_master1 where curr\_bal>(select avg(curr\_bal) from acc\_master1 where branch\_no=1001) and branch\_no=1001;

|  |
| --- |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **ACC\_NO** | **CURR\_BAL** | **BRANCH\_NO** | **AVG\_BAL** |
| 140 | 4000 | 1001 | 3000 |

4]

List accounts with current balance and branch to which it belongs having balance more than the averagebalance of the branch to which account belongs.

select \* from acc\_master1 where curr\_bal>(select avg(curr\_bal) from acc\_master1 where branch\_no=1001);

|  |  |  |  |
| --- | --- | --- | --- |
| **ACC\_NO** | **CURR\_BAL** | **BRANCH\_NO** | **AVG\_BAL** |
| 130 | 3000 | 1003 | 3500 |
| 140 | 4000 | 1001 | 3000 |

5]

create table cus\_master

(f\_name char(10), l\_name char(10));

select \* from cus\_master;

|  |  |
| --- | --- |
| **F\_NAME** | **L\_NAME** |
| aditi | patil |
| manvi | sharma |
| satish | marathe |
| aau | patil |

create table emp\_master(f\_name char(20), l\_name char(20));

select \* from emp\_master;

|  |  |
| --- | --- |
| **F\_NAME** | **L\_NAME** |
| karan | kadam |
| satish | marathe |
| sayali | tembe |
| swara | tembe |

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All customer having same name as employee.

select \* from cus\_master c, emp\_master e where c.f\_name=e.f\_name and c.l\_name=e.l\_name;

|  |  |  |  |
| --- | --- | --- | --- |
| **F\_NAME** | **L\_NAME** | **F\_NAME** | **L\_NAME** |
| satish | marathe | satish | marathe |

6]

create table emp\_master1(branch\_no int,emp\_no int,dept\_no int,f\_name char(10), l\_name char(10), branch\_name char(10));

select \* from emp\_master1;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **BRANCH\_NO** | **EMP\_NO** | **DEPT\_NO** | **F\_NAME** | **L\_NAME** | **BRANCH\_NAME** |
| 14 | 1 | 401 | sayali | tembe | pune |
| 16 | 2 | 474 | aditi | patil | lonere |
| 18 | 3 | 411 | karan | kadam | pune |

create table branch(branch\_no int, branch\_name char(10),dept\_no int);

select \* from branch;

|  |  |  |
| --- | --- | --- |
| **BRANCH\_NO** | **BRANCH\_NAME** | **DEPT\_NO** |
| 14 | pune | 401 |
| 16 | lonere | 474 |
| 18 | pune | 411 |

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List Employees of bank in order of branch names at which they are employeed.

select e.emp\_no,e.F\_name,e.L\_name,

e.branch\_no from emp\_master1 e

inner join branch

on e.branch\_no=branch.branch\_no

order by branch.branch\_name;

|  |  |  |  |
| --- | --- | --- | --- |
| **EMP\_NO** | **F\_NAME** | **L\_NAME** | **BRANCH\_NO** |
| 2 | aditi | patil | 16 |
| 3 | karan | kadam | 18 |
| 1 | sayali | tembe | 14 |

7]

create table emp\_master11(f\_name char(10), m\_name char(10), branch\_no int, l\_name char(10), branch\_name char(10), emp\_no int,designation char(10),dept\_no int);

select \* from emp\_master11;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **F\_NAME** | **M\_NAME** | **BRANCH\_NO** | **L\_NAME** | **BRANCH\_NAME** | **EMP\_NO** | **DESIGNATION** | **DEPT\_NO** |
| aditi | Rishi | 14 | patil | pune | 1 | Clerk | 401 |
| kavya | satish | 16 | patil | lonere | 2 | manager | 474 |
| karan | sunil | 18 | kadam | pune | 3 | Clerk | 411 |

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List employee details along with the branch name to which they belong.

select emp\_master11.f\_name,emp\_master11.m\_name,

emp\_master11.branch\_no,emp\_master11.l\_name,

emp\_master11.branch\_name,emp\_master11.emp\_no,emp\_master11.designation, emp\_master11.dept\_no from emp\_master11

inner join branch on emp\_master11.branch\_no=branch.branch\_no;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **F\_NAME** | **M\_NAME** | **BRANCH\_NO** | **L\_NAME** | **BRANCH\_NAME** | **EMP\_NO** | **DESIGNATION** | **DEPT\_NO** |
| aditi | Rishi | 14 | patil | pune | 1 | Clerk | 401 |
| kavya | satish | 16 | patil | lonere | 2 | manager | 474 |
| karan | sunil | 18 | kadam | pune | 3 | Clerk | 411 |

8]

create table contact\_detail(emp\_no Int,contact\_type varchar(20),contact\_data int);

select \*from contact\_detail;

|  |  |  |
| --- | --- | --- |
| **EMP\_NO** | **CONTACT\_TYPE** | **CONTACT\_DATA** |
| 1 | Mobile | 8378933565 |
| 2 | Telephone | 2140251273 |
| 3 | Mobile | 8530435009 |

…………………………………………………………………………………………………………………………………………………………

List employee details and contact details if any using left outer join.

select \*from emp\_master11

left outer join contact\_detail

on emp\_master11.emp\_no=contact\_detail.emp\_no;

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **F\_NAME** | **M\_NAME** | **BRANCH\_NO** | **L\_NAME** | **BRANCH\_NAME** | **EMP\_NO** | **DESIGNATION** | **DEPT\_NO** | **EMP\_NO** | **CONTACT\_TYPE** | **CONTACT\_DATA** |
| aditi | Rishi | 14 | patil | pune | 1 | Clerk | 401 | 1 | mobile | 8378933565 |
| kavya | satish | 16 | patil | lonere | 2 | manager | 474 | 2 | telephone | 2140251273 |
| karan | sunil | 18 | kadam | pune | 3 | clerk | 411 | 3 | mobile | 8530435009 |

9]

List employee details and contact details if any using right outer join.

select \*from contact\_detail

right outer join emp\_master11

on contact\_detail.emp\_no=emp\_master11.emp\_no;

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMP\_NO** | **CONTACT\_TYPE** | **CONTACT\_DATA** | **F\_NAME** | **M\_NAME** | **BRANCH\_NO** | **L\_NAME** | **BRANCH\_NAME** | **EMP\_NO** | **DESIGNATION** | **DEPT\_NO** |
| 1 | Mobile | 8378933565 | aditi | Rishi | 14 | patil | pune | 1 | clerk | 401 |
| 2 | Telephone | 2140251273 | kavya | satish | 16 | patil | lonere | 2 | manager | 474 |
| 3 | Mobile | 8530435009 | karan | sunil | 18 | kadam | pune | 3 | clerk | 411 |

10]

alter table emp\_master11

add(manager char(10));

update emp\_master11 set manager='sayali' where f\_name='aditi';

update emp\_master11 set manager='manu' where f\_name='kavya';

update emp\_master11 set manager='ram' where f\_name='karan';

……………………………………………………………………………………………………………………………………………………..

Retrive names of employee and names of their respective manager from employee table.

select f\_name, manager from emp\_master11;

|  |  |
| --- | --- |
| **F\_NAME** | **MANAGER** |
| aditi | sayali |
| kavya | manu |
| karan | ram |