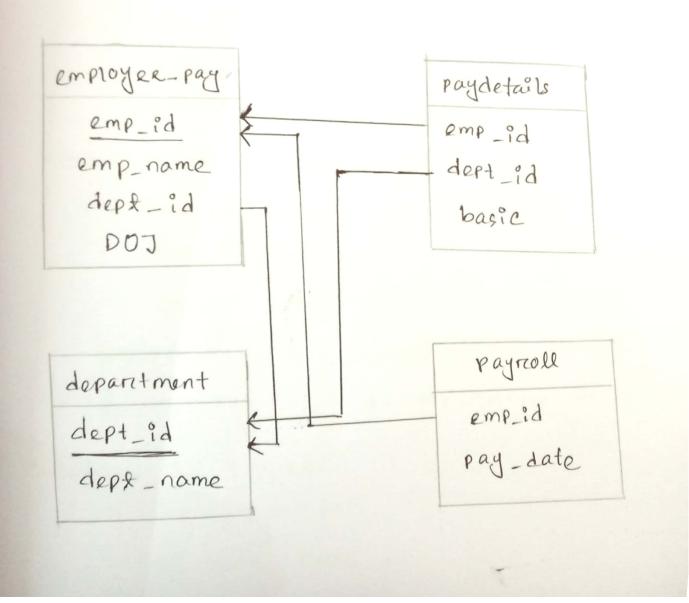
Problem Title:

populate the database with appropriate datasets:

Introduction.

described in a foremal language supported by the database management system (DBM3).

Logical Model:



```
Querry fore database design:
     create table employee
            (emp_id int(11),
              emp_name varichari (150)
              dept_id int (11),
               DOJ date,
             preimarry key ( emp_id),
            formign vey (dept-id) references department)
     create table department
        Cdept_id int (11);
          depl-name varietare (30),
          Primary key (dept_id)).
   create. table paydetails
       ( emp_id int(11),
          dept_id int (11),
          basic int(11),
      forceign key (emp_id) raberances employee,
      Porceign Key (dept_id) references department);
 create table payreall
       ( emp_id int (n),
        Pay-date date.
        Porreign key (emp_id) references employee);
```

```
SOL grony Por the output:
1 insert into department
   values ( Ca, 'EEF'), (2, 'ME'), (3, 'CSE'), (4, 'EIF')
  inserct into employee
 raives ((1, : Ashreabul Alam Amit, 3, :2014-05-017),
 (2, 'Bijoy Deb Nath', 3, 12016-01-021), (3, 'Ismal Jahan'
  Shila', 1, (2013-06-01)), (4, (Sudipta Progga Islam,
  3, 2018-04-03,), (5, 'showmit Das', 2, (2017-04-01))
 (6: Tanvira Mahin', a, 2013-07-02'), (7, Fahmida
  Jelam', 4, (2020-02-01), (8, Rifa Tabassum', 1.
  (2013-05-02), (9, Israt Jahan Lita', 2, 2013-03-02)
 (10, 1 Rubayet Hossain Soad 1, 21 2021 - 04 - 03));
 insert into paydetails
 values ((1,3,6000), (2,3,9000), (3,1,5000),
   (4,3,6000), (5,2,9000), (6,4,70000), (7,4,4000),
 (8,1,5000), (9,2,8000), (10,2,3000));
insert into payreall.
 values ( (1, 12014-06-01), (2, 2016-01-01),
  (3, 2013-07-01), (4, 2018-05-03), (5, 2017-05-02),
(6, 2013-08-02), (7, 2020-03-07), (8, 2015-06-02)
(0, 12013-04-02), (10, 2021-05-03));
```

2 select \* Brom employee join department where employee. dept-id = department. dept-id and dept\_name = 'CSE'; emp\_id emp\_name 1 Ashrzaful Alam Amit 3 2014-09-01 CJE deptid 007 dept\_name 2 Bijoy Deb Nath Sudipta Progga Islam 3 2018-04-03 CIE 3 2016-61-02 es£ = select emp name from employee join deartment unere employee dept-id z department dept-id and dept\_name = (@SE) and DOJ7 (2015-01-01); emp-name Bijoy Deb Nath Sudipta Priogga Islam. 1 select emp\_namer Brown employee join paydetails where employee remp-id = paydetails. emp-id and and basic + basic \* 0.5 - basic \* 0.1 + 1500 } 10000; enf name Bijoy Peb Nath Shownit Das Tanvire Makin Israt Jahan Liza

employee dept-id z department dept-id and employee emp-id z paydetails. Emp-id and dept-name comployee emp-id z paydetails.

dept\_name

Ashrabul Atam Amit Csf 2014-05-01 9900.0 2014-069

Bijoy peb Nath

Csf 2014-05-01 9900.0 2014-069

Sudiptz, progga Islam

Csf 2016-01-02 14100\*0 2016-01-02

6 Select dept\_name, count (emp\_name) from amployee

department where employee, dept\_id = department, deptil

group by employee, dept\_id;

dept\_mame count lemp\_name)

Eff 2

M£ 3

CSE 3

ETE 2

conclusion.

the database was created with standard queries. All the outputs were shown as per direction.