create database p1;

use p1;

create table emp(

emp\_id int(8) primary key auto\_increment,

ename varchar(30) not null,

address varchar(51) not null,

mobileno int(10) not null,

email varchar(30) not null,

dob date not null

);

desc emp;

output :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| emp\_id | int(8) | NO | PRI |  | auto\_increment |
| ename | varchar(30) | NO |  |  |  |
| address | varchar(51) | NO |  |  |  |
| mobileno | int(10) | NO |  |  |  |
| email | varchar(30) | NO |  |  |  |
| dob | date | NO |  |  |  |

create table empsalary(

emp\_id int(8) not null,

bsalary float(10,4) not null,

hra float(10,4),

da float(10,4),

oa float(10,4),

gsalary float(11,4),

foreign key (emp\_id) references emp(emp\_id)

);

desc empsalary;

output :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| emp\_id | int(8) | NO | MUL |  |  |
| bsalary | float(10,4) | NO |  |  |  |
| hra | float(10,4) | YES |  |  |  |
| da | float(10,4) | YES |  |  |  |
| oa | float(10,4) | YES |  |  |  |
| gsalary | float(11,4) | YES |  |  |  |

create table department(

department\_id int(6) primary key ,

d\_name varchar(30) not null,

emp\_id int(8) not null,

foreign key (emp\_id) references emp(emp\_id)

);

desc department;

output:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| department\_id | int(6) | NO | PRI |  |  |
| d\_name | varchar(30) | NO |  |  |  |
| emp\_id | int(8) | NO | MUL |  |  |

create table workload(

project\_id int(6) primary key,

project\_name varchar(50),

emp\_id int(8) not null,

foreign key (emp\_id) references emp(emp\_id),

department\_id int(6) not null,

foreign key (department\_id) references department(department\_id)

);

desc workload;

alter table workload

modify project\_name varchar(51) not null;

output:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| project\_id | int(6) | NO | PRI |  |  |
| project\_name | varchar(51) | NO |  |  |  |
| emp\_id | int(8) | NO | MUL |  |  |
| department\_id | int(6) | NO | MUL |  |  |