

2) Create a table client_master with the following fields.

Column_name	Data Type	Others
Client_no	Varchar(6)	Primary key
Name	Varchar(20)	Not null
Address	Varchar(25)	
City	Varchar(20)	
Pincode	Decimal(6)	
State	Varchar(20)	
Bal_due	Decimal(7,2)	Not null

create table client_master

- > (client_no varchar(6) primary key,
- > cname varchar(20) not null,
- > address varchar(25),
- > city varchar(20),
- > pin decimal(6),
- > state varchar(20),
- > bal_due decimal(7,2) not null);

insert into client_master

values('c01001','ponnu','pandeshwar','mangalore','575001','karnataka',500);

insert into client_master values('c01002','mukesh','thalangara','ksd','575002','kerala',300);

insert into client_master values('c01003','siddi','baga','bagal','575067','goa',400);

insert into client_master

values('c01004','aswanth','dongri','mumbai','575063','maharashtra',600);

insert into client_master values('c01005','akash','manali','haryana','575063','himacahl
pradesh',1000);

insert into client_master

values('c01006','sidharth','pumpwell','mangalore','575002','karnataka',650);

insert into client_master values('c01007','manoj','tirur','malappuram','671122','kerala',900);

insert into client_master values('c01008','arjun','church
road','bangalore','67567','karnataka',1500);

```
insert into client_master values('c01009','abhijith','koyilandi','calicut','675784','kerala',1200);
```

```
insert into client_master values('c01010','vishnu','raman  
nagar','hyderabad','675789','telangana',2000);
```

Execute the following queries

a) Describe the structure of client_master.

```
describe client_master;
```

Field	Type	Null	Key	Default	Extra
client_no	varchar(6)	NO	PRI	NULL	
cname	varchar(20)	NO		NULL	
address	varchar(25)	YES		NULL	
city	varchar(20)	YES		NULL	
pin	decimal(6,0)	YES		NULL	
state	varchar(20)	YES		NULL	
bal_due	decimal(7,2)	NO		NULL	

b) From the table CLIENT_MASTER create a new table client1 that contains only Client_no, Name with all records of CLIENT_MASTER.

```
create table client1 as (select client_no,cname from client_master);
```

```
select*from client1;
```

client_no	cname
c01001	ponnu
c01002	mukesh
c01003	siddi
c01004	aswanth
c01005	akash
c01006	sidharth
c01007	manoj
c01008	arjun
c01009	abhijith
c01010	vishnu

c) From the table CLIENT_MASTER create a new table client2 that has the same structure as CLIENT_MASTER but with no records

```
create table client2 as(select*from client_master where 1=2);
```

```
select*from client2;  
Empty set (0.00 sec)
```

- d) Insert records into table client3 from the CLIENT_MASTER table where the Client_no is 'C01001'.**

```
create table client3 as(select* from client_master where client_no='c01001');
```

```
select*from client3;
```

client_no	cname	address	city	pin	state	bal_due
c01001	ponnu	pandeshwar	mangalore	575001	karnataka	500.00

- e) For every client in CLIENT_MASTER table increase the Bal_due by 10%.**

```
update client_master set bal_due=bal_due+(0.1*bal_due);
```

```
select * from client_master;
```

client_no	cname	address	city	pin	state	bal_due
c01001	ponnu	pandeshwar	mangalore	575001	karnataka	1000.10
c01002	mukesh	thalangara	ksd	575002	kerala	600.10
c01003	siddi	baga	bagal	575067	goa	800.10
c01004	aswanth	dongri	mumbai	575063	maharashtra	1200.10
c01005	akash	manali	haryana	575063	himacahl pradesh	2000.10
c01006	sidharth	pumpwell	mangalore	575002	karnataka	1300.10
c01007	manoj	tirur	malappuram	671122	kerala	1800.10
c01008	arjun	church road	bangalore	67567	karnataka	3000.10
c01009	abhijith	koyilandi	calicut	675784	kerala	2400.10
c01010	vishnu	raman nagar	hyderabad	675789	telangana	4000.10

- f) Update table CLIENT_MASTER change the contents of the field Name to 'Vijay Kadam' and the contents of the field Address to 'SCT Jay Apmts' for the record with Client_no 'C00002'.**

```
update client_master set cname='vijay kadam',address='sct jay apartment'where client_no='c01002';
```

- g) Add a new column by name Penalty number (10,2) to table client_master.**

```
alter table client_master add(penalty decimal(10,2));
```

describe client_master;

Field	Type	Null	Key	Default	Extra
client_no	varchar(6)	NO	PRI	NULL	
cname	varchar(20)	NO		NULL	
address	varchar(25)	YES		NULL	
city	varchar(20)	YES		NULL	
pin	decimal(6,0)	YES		NULL	
state	varchar(20)	YES		NULL	
bal_due	decimal(7,2)	NO		NULL	
penalty	decimal(10,2)	YES		NULL	

h) Change the size of the column Penalty to (8,2) in client_master.

alter table client_master modify penalty decimal(8,2);

describe client_master;

Field	Type	Null	Key	Default	Extra
client_no	varchar(6)	NO	PRI	NULL	
cname	varchar(20)	NO		NULL	
address	varchar(25)	YES		NULL	
city	varchar(20)	YES		NULL	
pin	decimal(6,0)	YES		NULL	
state	varchar(20)	YES		NULL	
bal_due	decimal(7,2)	NO		NULL	
penalty	decimal(8,2)	YES		NULL	

i) Change the name of table client_master to client_master1.

rename table client_master to client_master1;