## **ORACLE ASSIGNMENT**

1)

A) Create the table as describe below

Table name : client\_master



B) Create the table as describe below

Table name: product\_master



C) Create the table as describe below

Table name : salesman\_master



## A) select \* from client\_master

m	ysql> select	* from cl	_ient_master;	·	·	<b>.</b>	<b>.</b>		
ij	client_no	name	address1	address2	city	pincode	state	bal_due	
ij	C001	vaibhao	panchshil zenda	palasgaon	wardha	442101	maharashtra	1600.00	
ı	C002	sakshi	javhar nagar	petrol pump	bhandar	442103	maharashtra	40000.00	
1	C003	akshat	baher	malik house	darbanga	442233	bihar	40000.00	
-1	C004	kalyani	ram nagar	ravi nagar	nagpur	440004	maharashtra	26000.00	
1	C005	saurabh	pahcashil zenda	nandpur	aarvi	442109	maharashtra	1600.00	
1	C006	bhumi	children garden	aamgaon	nagput	442004	maharashtra	20600.00	
ı	C007	abhi	univercity campus	aurangabad	nagpur	442462	maharashtra	20560.00	
ı	C008	vidanti	hudkeshwar	sakkardhara	nagpur	444561	maharashtra	20750.00	
ı	C009	vibhas	civil line	bhandara	bhandara	448855	maharashtra	96550.00	
ı	C010	mahinaz	highanghat	hinganghat	hinghanghat	478555	maharashtra	50050.00	
+						+	+	·	
1	0 rows in se	t (0.11 se	ec)						

## B) select \* from product\_master

mysql> select	* from produc	ct_master;	+	·		+	+
product_no	desciption	profit_per	unit_measure	qty_on_hand	record_level	sell_price	cost_price
P001	tablets	95.00	-   50	80	30	600.00	300.00
P002	tablets	90.00	40	70	20	700.00	400.00
P003	syrup	100.00	30	75	27	400.00	500.00
P004	syrup	56.00	25	45	15	750.00	250.00
P005	tonic	77.00	22	44	55	755.00	285.00
P006	tonic	42.00	12	32	85	741.00	369.00
P007	syringe	88.00	63	68	41	852.00	456.00
P008	syringe	45.00	42	48	91	145.00	235.00
P009	cup	11.00	22	33	44	555.00	666.00
P010	cup	999.00	999	999	999	999.00	666.00
+		+	+	·	·	+	+
10 rows in set	(0.01 sec)						

## C) Select \* from salesman\_master

mysql> selec	ct * from salesma	an_master;				<b>.</b>				
sales_no	salesman_name	address1	address2		pincode			tgt_to_get		
S001	vaibhao	panchashil zenda	palasgaon	wardha	442101	maharashtra	50000.00	30.00	90.00	passed
S002	sakshi	javhar nagar	petrol pump	bhandara	436655	maharashtra	40000.00	90.00	30.00	passed
S003	saurabh	pachashil zenda	nandpur	aarvi	443362	maharashtra	30000.00	88.00	34.00	passed
S004	axat	mallik house	bahera	darbanga	436524	bihar	20000.00	82.00	63.00	passed
S005	kalyane	ram nagar	ravi nagar	nagpur	430003	maharashtra	10000.00	52.00	60.00	passed
S006	abhi	univercity campus	futala lekh	nagpur	430010	maharashtra	5000.00	44.00	64.00	failed
S007	bhumi	children garden	law square	aamgaon	430456	maharashtra	300.00	63.00	20.00	failed
S008	ganeshan	civil line	garden	gondia	430123	maharashtra	3500.00	74.00	25.00	failed
S009	vedanti	hudkeshwar	sakkardhara	gondia	444226	maharashtra	7880.00	45.00	10.00	passed
S010	naresh	ravi nagar	futala lekh	nagpur	430002	maharashtra	6000.00	562.00	45.00	passed
+	+		+	+	+	+	+	+		+
10 rows in	set (0.02 sec)									
								<u> </u>		

Read the question and write appropriate SQL statement as a answer

- 1) Exercise on retrieving record from the table
  - a) Find the name of all the client select name from client\_master;



b) Retrieve the entire content of the client\_master table select \* from client\_master;

C002         sakshi         javhar nagar         petrol pump         bhandar         4442103         maharashtra         40900.00         0           C003         akshat         baher         malik house         darbanga         442233         bihar         40900.00         0           C004         kalyani         ram         ragar         ravi nagar         440804         maharashtra         26000.00         0           C005         saurabh         pahcashil zenda         nandpur         aarvi         442109         maharashtra         1600.00         0	mysql> select	t * from c	lient_master;						
C002         sakshi         javhar nagar         petrof pump         bhandar         442103         maharashtra         40000.00           C003         akshat         baher         malik house         darbanga         442233         bihar         40000.00           C004         kalyani         ram nagar         ravi nagar         nagpur         444000         maharashtra         26000.00           C005         saurabh         pahcashil zend         nandpur         aarvi         442100         maharashtra         1600.00           C006         bhumi         children garden         aamgaon         nappur         444200         maharashtra         20600.00           C007         abhi         univercity campus         aurangabad         nagpur         442402         maharashtra         20560.00           C008         vidanti         hudkeshwar         sakkardhara         nappur         4444561         maharashtra         20560.00           C009         vibas         civil Line         bhandara         bhandara         4448855         maharashtra         96550.00	client_no	name	address1	address2	city	pincode	state	bal_due	
	C003   C004   C005   C006   C007   C008   C009	sakshi akshat kalyani saurabh bhumi abhi vidanti vibhas	javhar nagar baher ram nagar pahcashil zenda children garden univercity campus hudkeshwar civil line	petrol pump malik house ravi nagar nandpur aamgaon aurangabad sakkardhara bhandara	bhandar darbanga nagpur aarvi nagput nagpur nagpur bhandara	442103 442233 440004 442109 442004 442462 444561 448855	maharashtra bihar maharashtra maharashtra maharashtra maharashtra maharashtra maharashtra	40000.00     40000.00     26000.00     1600.00     20600.00     20560.00     20750.00	

c) Retrieve the list of names and the cities of all the client select name, city from client master;

d) List the various product available from product\_master select \* from product\_master;

product_no	desciption	profit_per	unit_measure		record_level		
P001	tablets	95.00	50	80	30	600.00	300.00
P002	tablets	90.00	40	70	l 20	700.00	400.00
P003	syrup	100.00	30	75	27	400.00	500.00
P004	syrup	56.00	25	45	15	750.00	250.00
P005	tonic	77.00	22	44	55	755.00	285.00
P006	tonic	42.00	12	32	85	741.00	369.00
P007	syringe	88.00	63	68	41	852.00	456.00
P008	syringe	45.00	42	48	91	145.00	235.00
P009	cup	11.00	22	33	44	555.00	666.00
P010	cup	999.00	999	999	999	999.00	666.00

e) List all the client whose locate in Nagpur select \* from client\_master where city='nagpur';

mysql> select	* from c	lient_master where ci	ty='nagpur';				
client_no	name	address1	address2	city	pincode	state	bal_due
C004   C006   C007   C008	kalyani bhumi abhi vidanti	ram nagar children garden univercity campus hudkeshwar		nagpur nagpur nagpur nagpur	442004 442462	maharashtra maharashtra maharashtra maharashtra	20600.00   20560.00
4 rows in set	(0.01 se	t( c)		·	·		++

f) Find the name of the salesman who have the salary greater than RS.30000 select salesman\_name , sal\_amt from salesman\_master where sal\_amt > 30000;

- 2) Exercise on update record in a table
  - a) Change the city of the name=bhumi to Nagpur update client\_master set city='nagpur' where name='bhumi';

Query OK, 1 r Rows matched:	row affecte : 1 Change	aster set city='nagp ed (0.10 sec) ed: 1 Warnings: 0 Lient_master;		,				
client_no		address1	address2	   city	   pincode		+   bal_due	
C001	vaibhao	panchshil zenda	palasgaon	+   wardha		maharashtra		
C002	sakshi	javhar nagar	petrol pump	bhandar	442103	maharashtra	40000.00	
C003	akshat	baher	malik house	darbanga	442233	bihar	40000.00	
C004	kalyani	ram nagar	ravi nagar	nagpur	440004	maharashtra	26000.00	
C005	saurabh	pahcashil zenda	nandpur	aarvi	442109	maharashtra	1600.00	
C006	bhumi	children garden	aamgaon	nagpur	442004	maharashtra	20600.00	
C007	abhi	univercity campus	aurangabad	nagpur	442462	maharashtra	20560.00	
C008	vidanti	hudkeshwar	sakkardhara	nagpur	444561	maharashtra	20750.00	
C009	vibhas	civil line	bhandara	bhandara	448855	maharashtra	96550.00	
C010	mahinaz	highanghat	hinganghat	hinghanghat	478555	maharashtra	50050.00	

b) Change the bal\_due of client no\_C005 to RS10000 update client master set bal\_due=10000 where client\_no='C005';

c) Change the cost\_price of tablet to RS 2000
 update product master set cost\_price='2000' where desciption='tablets';

```
mysql> update product_master set cost_price='2000' where desciption='tablets';
Query OK, 2 rows affected (0.04 sec)
Rows matched: 2 Changed: 2 Warnings: 0

mysql> select * from product_master;

| product_no | desciption | profit_per | unit_measure | qty_on_hand | record_level | sell_price | cost_price |

| peoll | tablets | 95.00 | 50 | 80 | 30 | 600.00 | 2000.00 |

| peol2 | tablets | 95.00 | 40 | 70 | 20 | 700.00 | 2000.00 |

| peol3 | syrup | 100.00 | 30 | 75 | 27 | 400.00 | 2000.00 |

| peol3 | syrup | 156.00 | 25 | 45 | 15 | 755.00 | 255.00 |

| peol5 | tonic | 77.00 | 22 | 44 | 55 | 755.00 | 285.00 |

| peol6 | tonic | 42.00 | 12 | 32 | 85 | 741.00 | 369.00 |

| peol7 | syringe | 88.00 | 63 | 68 | 41 | 852.00 | 456.00 |

| peol8 | syringe | 45.00 | 42 | 48 | 91 | 145.00 | 235.00 |

| peol8 | cup | 11.00 | 22 | 33 | 44 | 555.00 | 666.00 |

| peol9 | cup | 11.00 | 22 | 33 | 44 | 555.00 | 666.00 |

| product_no | desciption | desciption
```

 d) Change the city of the salesman to Nagpur salesman\_no =S009 update salesman\_master set city='nagpur' where sales\_no='S009';

ws matche	rows affected (6 d: 1 Changed: 0 ct * from salesma	Warnings: 0								
	+   salesman_name   :	address1	address2	   city	pincode		sal_amt	tgt_to_get		
S001	vaibhao	panchashil zenda	palasgaon	wardha	442101	maharashtra	50000.00	30.00	90.00	passed
S002	sakshi	javhar nagar	petrol pump	bhandara	436655	maharashtra	40000.00	90.00	30.00	passed
S003	saurabh	pachashil zenda	nandpur	aarvi	443362	maharashtra	30000.00	88.00	34.00	passed
S004	axat	mallik house	bahera	darbanga	436524	bihar	20000.00	82.00	63.00	passed
S005	kalyane	ram nagar	ravi nagar	nagpur	430003	maharashtra	10000.00	52.00	60.00	passed
S006	abhi	univercity campus	futala lekh	nagpur	430010	maharashtra	5000.00	44.00	64.00	failed
S007	bhumi	children garden	law square	aamgaon	430456	maharashtra	300.00	63.00	20.00	failed
S008	ganeshan	civil line	garden	gondia	430123	maharashtra	3500.00	74.00	25.00	failed
S009	vedanti	hudkeshwar	sakkardhara	nagpur	444226	maharashtra	7880.00	45.00	10.00	passed
S010	naresh	ravi nagar	futala lekh	nagpur	430002	maharashtra	6000.00	562.00	45.00	passed

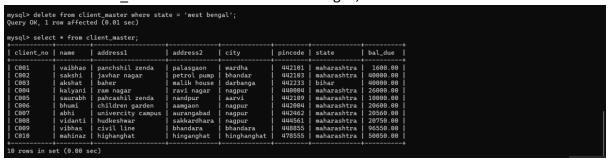
- 3) Exercise on deleting records in a table
  - a) Delete all the salesman from salesman\_master whose salary are equal to RS6000 delete from salesman master where sal amt=6000;

sql> sele	t * from salesma	an_master;								
sales_no	salesman_name	address1	address2		pincode			tgt_to_get		
S001	vaibhao	panchashil zenda	palasgaon	wardha	442101	maharashtra	50000.00	30.00	90.00	passed
S002	sakshi	javhar nagar	petrol pump	bhandara	436655	maharashtra	40000.00	90.00	30.00	passed
S003	saurabh	pachashil zenda	nandpur	aarvi	443362	maharashtra	30000.00	88.00	34.00	passed
S004	axat	mallik house	bahera	darbanga	436524	bihar	20000.00	82.00	63.00	passed
S005	kalyane	ram nagar	ravi nagar	nagpur	430003	maharashtra	10000.00	52.00	60.00	passed
S006	abhi	univercity campus	futala lekh	nagpur	430010	maharashtra	5000.00	44.00	64.00	failed
S007	bhumi	children garden	law square	aamgaon	430456	maharashtra	300.00	63.00	20.00	failed
S008	ganeshan	civil line	garden	gondia	430123	maharashtra	3500.00	74.00	25.00	failed
S009	vedanti	hudkeshwar	sakkardhara	nagpur	444226	maharashtra	7880.00	45.00	10.00	passed

b) Delete all the product from the product\_master where the quantity on hand is equal to 100

delete from product\_master where qty\_on\_hand = '999';

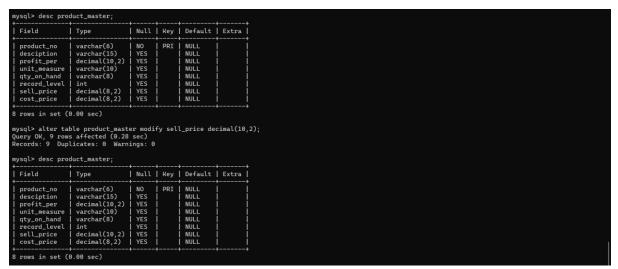
c) Delete all the client where state is west Bengal delete from client master where state = 'west bengal';



- 4) Exercise on altering the table structure
  - a) Add the column telephone of data type int and size=10 alter table client master add telephone int(10);

ield	Туре			Default	
client_no	varchar(6)	NO	PRI	NULL	
name	varchar(20)	NO	ĺ	NULL	
address1	varchar(30)	YES	l	NULL	
address2	varchar(30)	YES	l	NULL	
city	varchar(15)	YES	l	NULL	
pincode	int	YES	l	NULL	
state	varchar(15)	YES	l	NULL	
bal_due	decimal(10,2)	YES	l	NULL	
telephone	int	YES		NULL	

b) Change all size of sell\_price column in product\_master to 10,2 alter table product\_master modify sell\_price decimal(10,2);



5) Destroy the table client\_master long with its data drop table client\_master;

```
mysql> drop table client_master;
Query OK, 0 rows affected (0.02 sec)

mysql> desc client_master;
ERROR 1146 (42502): Table 'vaibhao.client_master' doesn't exist
mysql> |
mysql> |
```

- B)
- 2) Exercise on retrieving from a table after computing table data
- a) Retrieve the contents of the column product\_no,description and compute 10% of values content in the column sell\_price and 110% of values contents in the column sell\_price for each row from the table product master.

select product no,sell price\*0.10 new price from product master;

b) Execute the above command by just renaming the column name as increase price and new price respectively.

Select product\_no,sell\_price\*0.10,sell\_price\*1.10 new\_price from product\_master

c) c) Retrieve the contents of the column product\_no description profit\_per,sell\_price from the table product\_master where the values contain in the field profit\_per is between 25 and 56 both inclusive

select product\_no,sell\_price,profit\_per from product\_master where profit\_per>=25 and profit\_per<=56

d) d) Retrieve the contents of the column product\_no,description profit\_per,sell\_price from the table product\_master where the values contained in the field profit\_per is between 25 and 56 inclusive

select product\_no,sell\_price,profit\_per from product\_master where profit\_per between 25 and 56;

e) e) Retrieve the contents of the column product\_no desctiption profit\_per,sell\_price from the table product\_master where the values contained in the field profit\_per is not between 25 and 56

select product\_no,sell\_price,profit\_per from product\_master where profit\_per not between 25 and 56;

f) Retrieve the client information from the table client\_master where the pin code values contain 442101 or 447788

Select \* from client master where pincode=442101 or pincode=442103;

client_no   nam	address1	address2	city	pincode	state	bal_due	telephone
	ohao   panchshil zenda shi   javhar nagar						

g) Retrieve the client information from the table client\_master where the client those who are not in 'nagpur' or 'bombay'

Select \* from client\_master where not(city='nagpur' OR city='bombay');

client_no	name	address1	address2	city	pincode	state	bal_due	telephone
C001		panchshil zenda		wardha	442101	maharashtra	1600.00	NULL
C002 C003	sakshi akshat	javhar nagar   baher	petrol pump     malik house		442103 442233	maharashtra bihar	40000.00   40000.00	NULL NULL
C005   C009	saurabh vibhas	pahcashil zenda   civil line	nandpur   bhandara	aarvi bhandara	442109   448855	maharashtra maharashtra	10000.00     96550.00	NULL NULL
C010		highanghat	hinganghat	hinghanghat	478555	maharashtra		NULL

h) Retrieve the information of supplier whose name is being with the letter 'ka' from client\_master

select \* from client\_master where name LIKE 'ka%;

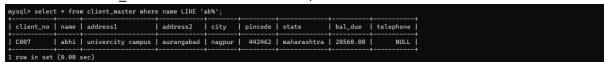
mysql> select	* from c	lient_master	where name Ll	(KE 'ka%';				
client_no	name	address1	address2	city	pincode	state	bal_due	telephone
C004	kalyani	ram nagar	ravi nagar	nagpur	440004	maharashtra	26000.00	NULL
1 row in set	(0.04 sec	)					+	

Retrieve the information of supplier whose name is where the second character of name are either 'a' or 'h' from the table supplier select \* from client master where name LIKE ' h%';

mysql> select \* from client\_master where name LIKE '\_h%';

| client\_no | name | address1 | address2 | city | pincode | state | bal\_due | telephone | | C006 | bhumi | children garden | aamgaon | nagpur | 442004 | maharashtra | 20600.00 | NULL | 1 row in set (0.00 sec)

j) Retrieve the information of supplier whose name is begins with the letter 'ab' and length of name should be 3 char long from the table supplier master select \* from client master where name LIKE 'ab%';



k) Retrieve the information of supplier where the supplier name is either 'vaibhao','sakshi','kalyani'

select \* from client\_master where name IN('vaibhao','sakshi','kalyani');

mysql> select	* from c	lient_master where	name IN('vaibl	nao','saksl	hi','kalyar	ni');		
client_no	name	address1	address2	city	pincode	state	bal_due	telephone
C002	sakshi		palasgaon petrol pump ravi nagar	bhandar	442103	maharashtra	40000.00	NULL
3 rows in set	(0.01 se	c)						

 Retrieve the information of supplier where supplier name are other than 'vaibhao','sakshi,'kalyani' select \* from client\_master where name NOT IN('vaibhao','sakshi','kalyani');

client_no	пате	address1	address2	city	pincode	state	bal_due	telephone
C003	akshat	baher	malik house	darbanga	442233	bihar	40000.00	NULL
C005	saurabh	pahcashil zenda	nandpur	aarvi	442109	maharashtra	10000.00	NULL
C006	bhumi	children garden	aamgaon	nagpur	442004	maharashtra	20600.00	NULL
C007	abhi	univercity campus	aurangabad	nagpur	442462	maharashtra	20560.00	NULL
C008	vidanti	hudkeshwar	sakkardhara	nagpur	444561	maharashtra	20750.00	NULL
C009	vibhas	civil line	bhandara	bhandara	448855	maharashtra	96550.00	NULL
C010	mahinaz	highanghat	hinganghat	hinghanghat	478555	maharashtra	50050.00	NULL

C)

1) Retrieve the product number and quality order for each quantity order for each product from sales\_order\_details table

- a) Sales\_order\_details
- i) order number

select order\_no from sales\_order\_details;

ii) product\_no

select product\_no from sales\_order\_details;

iii) qty\_ordered

select qty\_ordered from sales\_order\_details;

iv) qty\_disp

select qty\_disp from sales\_order\_details;

4) retrieve the product number and quantity ordered for product 'P00001' from sales\_order\_details select product\_no,qty\_ordered from sales\_order\_details where product\_no='P00001';

```
mysql> select product_no,qty_ordered from sales_order_details where product_no='P00001';
| product_no | qty_ordered |
| po0001 | 4 |
| p00001 | 10 |
```

5) add the pk constrain on the coloum supply\_no belong to the order\_no alter table sales\_order\_details add primary key (order\_no)

Field	Туре			Default	
order_no	varchar(6)	YES	MUL	NULL	
product_no	varchar(6)	YES	MUL	NULL	
qty_ordered	int	YES	1	NULL	
qty_disp	int	YES	ı	NULL	
product_rate	decimal(10,2)	YES	I	NULL	

6) add fk constrain on the column order\_no belong to the sales\_order\_details which reference the table sales\_order.modify qty\_ordered to include not null constrain

Alter table sales\_order\_details add constrain order\_fkey foreign key(order\_no) references sales\_order modify (qty\_ordered number(8) not null)

