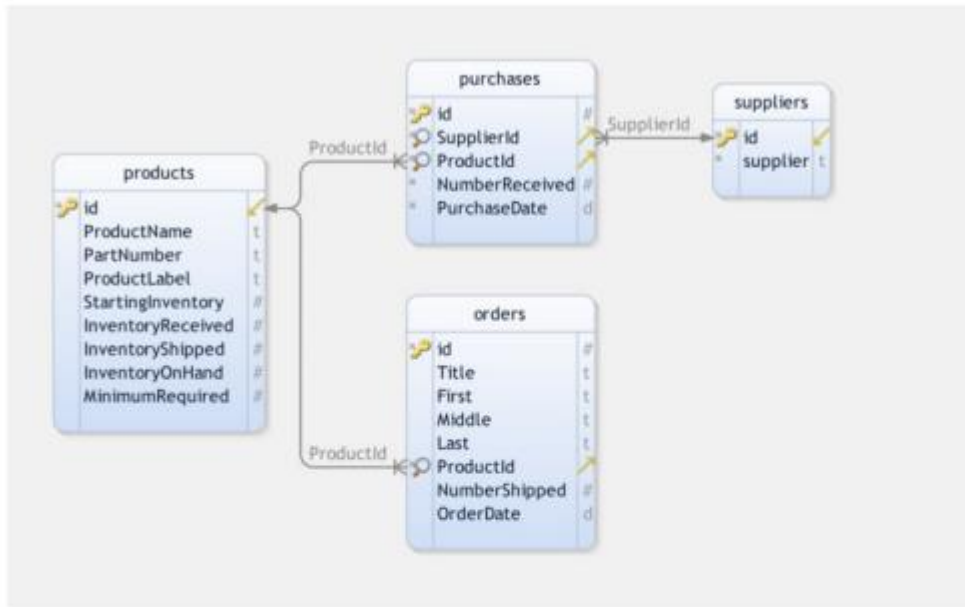


JUDITH'S SQL PROJECT

Project on MySQL



The aim of this project is to create an inventory system, refer to the diagram above to create your db.

The diagram shows the number of tables along with the relationship between tables. All the tables with respective columns are provided.

You are required to create the system with proper tables along with their relationship. You are also required to put in around dummy data inside the table so as to get some insights.

JUDITH'S SQL PROJECT

DATABASE USED

```
mysql> use project1;  
Database changed
```

TABLE PRODUCTS

➤ CREATING TABLE PRODUCTS :

```
CREATE TABLE PRODUCTS(  
->product_id int primary key,  
->product_name varchar(250),  
->part_number varchar(250),  
->product_label varchar(250),  
->starting_inventory bigint,  
->inventory_received int,  
->inventory_onhand tinyint,  
->minimum_required int);
```

```
mysql> CREATE TABLE PRODUCTS(product_id int primary key,product_name varchar(250),part_number varchar(250),product_label varchar(250),starting_inventory bigint,  
-> inventory_received int,inventory_onhand tinyint,minimum_required int);  
Query OK, 0 rows affected (0.06 sec)  
  
mysql> desc products;  
+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+  
| product_id | int | NO | PRIMARY |  |  |  
| product_name | varchar(250) | YES |  |  |  |  
| part_number | varchar(250) | YES |  |  |  |  
| product_label | varchar(250) | YES |  |  |  |  
| starting_inventory | bigint | YES |  |  |  |  
| inventory_received | int | YES |  |  |  |  
| inventory_onhand | tinyint | YES |  |  |  |  
| minimum_required | int | YES |  |  |  |  
+-----+-----+-----+-----+-----+
```

JUDITH'S SQL PROJECT

➤ DESCRIBE TABLE PRODUCTS :

desc products;

MySQL 8.0 Command Line Client

```
mysql> desc products;
```

Field	Type	Null	Key	Default	Extra
product_id	int	NO	PRI	NULL	
product_name	varchar(250)	YES		NULL	
part_number	varchar(250)	YES		NULL	
product_label	varchar(250)	YES		NULL	
starting_inventory	bigint	YES		NULL	
inventory_received	int	YES		NULL	
inventory_onhand	tinyint	YES		NULL	
minimum_required	int	YES		NULL	
inventory_shipped	int	YES		NULL	

9 rows in set (0.14 sec)

```
mysql>
```

➤ INSERT INTO TABLE PRODUCTS:

```
mysql> INSERT INTO PRODUCTS(product_id,product_name,part_number,product_label,starting_inventory,inventory_received,inventory_onhand,minimum_required,inventory_shipped)
-> VALUES(4,'cisco router','10X','cisto router-10X',4000,133,66,5,78),
-> (5,'sadasd','Y2','sadasd-Y2',8000,33,42,22,20),
-> (6,'motorola','Y8','motorola-Y8',900,88,32,80,65),
-> (7,'oneplus','M2','oneplus-M3',12000,100,52,17,27),
-> (8,'samsung group','K3','samsung group-P4',11000,200,56,100,29),
-> (9,'oppo','J8','oppo-M1',1800,300,50,189,31),
-> (10,'nokia','Q35','nokia-Q35',2000,678,77,18,88),
-> (11,'vivo','Q3','vivo-Q3',22,0,89,11,0),
-> (12,'sony','E9','sony-E9',5000,123,31,79,60),
-> (13,'lava','E98','lava-E12',6000,128,11,44,31),
-> (14,'celkon','M7','celkon-M7',13000,145,41,50,21),
-> (15,'haier','M1','haier-M1',15500,111,71,60,91),
-> (16,'oppo','M6','oppo-M6',3500,121,83,69,13),
-> (17,'sony','Q33','sony-Q13',3900,127,30,96,31),
-> (18,'vivo','E100','vivo-E100',8500,272,12,40,60),
-> (19,'oneplus','E152','oneplus-E152',18000,321,21,16,35),
-> (20,'apple server','K78','apple server-K78',25000,300,14,66,44),
-> (21,'motorola','K7','motorola-K7',2500,312,50,66,33),
-> (22,'nokia','A100','nokia-A100',8700,211,55,64,13),
-> (23,'xiaomi','A12','xiaomi-A12',6600,189,64,44,5),
-> (24,'lenova','T43','lenova-T43',7000,222,46,15,16),
-> (25,'celkon','Q217','celkon-Q217',14500,541,48,68,71),
-> (26,'lava','Q90','lava-Q90',5800,221,45,61,31),
-> (27,'xiaomi','A33','xiaomi-A33',6600,197,43,12,13),
-> (28,'samsung group','K367','samsung group-K365',1000,800,76,300,19),
-> (29,'sadasd','Y200','sadasd-Y200',8900,30,62,82,10),
-> (30,'oneplus','M25','oneplus-M36',12000,100,59,19,27);
Query OK, 27 rows affected (0.01 sec)
Records: 27 Duplicates: 0 Warnings: 0
```

JUDITH'S SQL PROJECT

➤ SELECT STATEMENT TO SHOW TABLE PRODUCTS:

Select*from products;

MySQL 8.0 Command Line Client

```
mysql> select*from products;
```

	product_id	product_name	part_number	product_label	starting_inventory	inventory_received	inventory_onhand	minimum_required	inventory_ship
	1	dell server	X1	dell server-XP	100	35	25	10	
30	2	google chromebooks	X8	google chromebook-1.0	1000	25	35	12	
15	3	apple server	A3	apple server-Q2	20000	55	-40	33	
20	4	cisco router	10X	cisto router-10X	4000	133	66	5	
78	5	sadasd	Y2	sadasd-Y2	8000	33	42	22	
20	6	motorola	Y8	motorola-Y8	900	88	32	80	
65	7	oneplus	M2	oneplus-W3	12000	100	52	17	
27	8	samsung group	K3	samsung group-P4	11000	200	56	100	
29	9	oppo	J8	oppo-W1	1800	300	50	189	
31	10	nokia	Q35	nokia-Q35	2000	678	77	18	
88	11	vivo	Q3	vivo-Q3	22	0	89	11	
0	12	sony	E9	sony-E9	5000	123	31	79	
60	13	lava	E98	lava-E12	6000	128	11	44	
31	14	celkon	W7	celkon-W7	13000	145	41	50	
21	15	haier	W1	haier-W1	15500	111	71	60	
91	16	oppo	W6	oppo-W6	3500	121	83	69	
13	17	sony	Q33	sony-Q13	3900	127	38	96	
31	18	vivo	E100	vivo-E100	8500	272	12	40	

MySQL 8.0 Command Line Client

91	15	haier	W1	haier-W1	15500	111	71	60	
13	16	oppo	W6	oppo-W6	3500	121	83	69	
31	17	sony	Q33	sony-Q13	3900	127	38	96	
60	18	vivo	E100	vivo-E100	8500	272	12	40	
35	19	oneplus	E152	oneplus-E152	18000	321	21	16	
44	20	apple server	K78	apple server-K78	25000	300	14	66	
33	21	motorola	K7	motorola-K7	2500	312	50	66	
13	22	nokia	A100	nokia-A100	8700	211	55	64	
5	23	xiaomi	A12	xiaomi-A12	6000	189	64	44	
16	24	lenova	T43	lenova-T43	7000	222	46	15	
71	25	celkon	Q217	celkon-Q217	14500	541	48	68	
31	26	lava	Q90	lava-Q90	5800	221	45	61	
13	27	xiaomi	A33	xiaomi-A33	6000	197	43	12	
19	28	samsung group	K367	samsung group-K365	1000	800	76	300	
10	29	sadasd	Y200	sadasd-Y200	8900	30	62	82	
27	30	oneplus	M25	oneplus-W36	12000	100	59	19	

80 rows in set (0.00 sec)

JUDITH'S SQL PROJECT

TABLE SUPPLIERS

➤ CREATE TABLE SUPPLIERS :

```
CREATE TABLE SUPPLIERS(  
->supplier_id int primary key,  
->supplier_name varchar(250));
```

```
mysql> CREATE TABLE SUPPLIERS(supplier_id int primary key,supplier_name varchar(250));  
Query OK, 0 rows affected (0.03 sec)
```

➤ DESCRIBE TABLE SUPPLIERS :

```
desc suppliers;
```

```
mysql> desc suppliers;  
+-----+-----+-----+-----+-----+-----+  
| Field          | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| supplier_id    | int           | NO   | PRI | NULL     |       |  
| supplier_name  | varchar(250)  | YES  |     | NULL     |       |  
+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.01 sec)
```

➤ INSERT INTO SUPPLIERS:

```
mysql> INSERT INTO SUPPLIERS(supplier_id,supplier_name)VALUES(100,'acme tech'),  
-> (101,'alpha user'),  
-> (102,'alpha seller'),  
-> (103,'good coder'),  
-> (104,'cloudtail'),  
-> (105,'apple user'),  
-> (106,'iphone user'),  
-> (107,'vivo user'),  
-> (108,'oppo user');  
Query OK, 9 rows affected (0.01 sec)  
Records: 9 Duplicates: 0 Warnings: 0
```

JUDITH'S SQL PROJECT

➤ SELECT STATEMENT TO SHOW TABLE SUPPLIERS:

Select*from suppliers;

```
mysql> select*from suppliers;
+-----+-----+
| supplier_id | supplier_name |
+-----+-----+
|          100 | acme tech     |
|          101 | alpha user    |
|          102 | alpha seller  |
|          103 | good coder    |
|          104 | cloudbtail    |
|          105 | apple user    |
|          106 | iphone user   |
|          107 | vivo user     |
|          108 | oppo user     |
+-----+-----+
9 rows in set (0.00 sec)
```

TABLE PURCHASES

➤ CREATE TABLE PURCHASES:

```
CREATE TABLE PURCHASES(
->purchase_id int primary key,
->supplier_id int,
->product_id int,
->number_received varchar(250),
->purchase_date date,
->foreign key(supplier_id) references SUPPLIERS(supplier_id),
->foreign key(product_id) references PRODUCTS(product_id));
```

```
mysql> CREATE TABLE PURCHASES(purchase_id int primary key,supplier_id int,product_id int,number_received varchar(250),purchase_date date,
-> foreign key(supplier_id) references SUPPLIERS(supplier_id),
-> foreign key(product_id) references PRODUCTS(product_id));
Query OK, 0 rows affected (0.08 sec)
```


JUDITH'S SQL PROJECT

➤ DESCRIBE TABLE PURCHASES :

desc purchases;

```
mysql> desc purchases;
```

Field	Type	Null	Key	Default	Extra
purchase_id	int	NO	PRI	NULL	
supplier_id	int	YES	MUL	NULL	
product_id	int	YES	MUL	NULL	
number_received	varchar(250)	YES		NULL	
purchase_date	date	YES		NULL	

5 rows in set (0.00 sec)

➤ INSERT INTO TABLE PURCHASES :

```
mysql> INSERT INTO PURCHASES(purchase_id,supplier_id,product_id,number_received,purchase_date)
-> VALUES(300,100,1,22,'2022-06-01'),
-> (301,101,2,32,'2022-06-02'),
-> (302,102,2,52,'2022-06-03'),
-> (303,102,15,41,'2022-06-04'),
-> (304,103,17,61,'2022-06-05'),
-> (305,104,18,69,'2022-06-06'),
-> (306,105,19,89,'2022-06-07'),
-> (307,106,20,11,'2022-06-08'),
-> (308,107,21,18,'2022-06-09'),
-> (309,108,29,31,'2022-06-10'),
-> (310,102,12,53,'2022-06-11'),
-> (311,104,13,93,'2022-06-12'),
-> (312,105,14,13,'2022-06-13'),
-> (313,106,17,60,'2022-06-14'),
-> (314,107,18,50,'2022-06-15'),
-> (315,108,19,80,'2022-06-16'),
-> (316,108,3,10,'2022-06-17'),
-> (317,101,5,37,'2022-06-18'),
-> (318,102,6,47,'2022-06-19'),
-> (319,103,8,66,'2022-06-20'),
-> (320,104,9,69,'2022-06-21'),
-> (321,105,10,31,'2022-06-22'),
-> (322,104,11,67,'2022-06-23'),
-> (323,108,12,87,'2022-06-24'),
-> (324,103,13,22,'2022-06-25'),
-> (325,103,13,59,'2022-06-26'),
-> (326,107,15,49,'2022-06-27'),
-> (327,108,16,22,'2022-06-28'),
-> (328,107,10,59,'2022-06-29'),
-> (329,100,16,55,'2022-06-30');
Query OK, 30 rows affected (0.01 sec)
Records: 30 Duplicates: 0 Warnings: 0
```

JUDITH'S SQL PROJECT

➤ SELECT STATEMENT TO SHOW TABLE PURCHASES:

Select*from purchases;

```
mysql> select*from purchases;
```

purchase_id	supplier_id	product_id	number_received	purchase_date
300	100	1	22	2022-06-01
301	101	2	32	2022-06-02
302	102	2	52	2022-06-03
303	102	15	41	2022-06-04
304	103	17	61	2022-06-05
305	104	18	69	2022-06-06
306	105	19	89	2022-06-07
307	106	20	11	2022-06-08
308	107	21	18	2022-06-09
309	108	29	31	2022-06-10
310	102	12	53	2022-06-11
311	104	13	93	2022-06-12
312	105	14	13	2022-06-13
313	106	17	60	2022-06-14
314	107	18	50	2022-06-15
315	108	19	80	2022-06-16
316	108	3	10	2022-06-17
317	101	5	37	2022-06-18
318	102	6	47	2022-06-19
319	103	8	66	2022-06-20
320	104	9	69	2022-06-21
321	105	10	31	2022-06-22
322	104	11	67	2022-06-23
323	108	12	87	2022-06-24
324	103	13	22	2022-06-25
325	103	13	59	2022-06-26
326	107	15	49	2022-06-27
327	108	16	22	2022-06-28
328	107	10	59	2022-06-29
329	100	16	55	2022-06-30

30 rows in set (0.00 sec)

JUDITH'S SQL PROJECT

TABLE ORDERS

➤ CREATE TABLE ORDERS:

```
CREATE TABLE ORDERS(  
->order_id int primary key,  
->title varchar(250),  
->first varchar(200),  
->middle varchar(200),  
->last varchar(200),  
->product_id int,  
->number_shipped smallint,  
->order_date date,  
->foreign key(product_id) references PRODUCTS(product_id));
```

```
mysql> CREATE TABLE ORDERS(order_id int primary key,title varchar(250),first varchar(200),middle varchar(200),last varchar(200),product_id int,  
-> number_shipped smallint,order_date date,  
-> foreign key(product_id) references PRODUCTS(product_id));  
Query OK, 0 rows affected (0.08 sec)
```

➤ DESCRIBE TABLE ORDERS :

```
desc orders;
```

```
mysql> desc ORDERS;
```

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
title	varchar(250)	YES		NULL	
first	varchar(200)	YES		NULL	
middle	varchar(200)	YES		NULL	
last	varchar(200)	YES		NULL	
product_id	int	YES	MUL	NULL	
number_shipped	smallint	YES		NULL	
order_date	date	YES		NULL	

JUDITH'S SQL PROJECT

➤ INSERT INTO TABLE ORDERS :

```
mysql> ^C
mysql> INSERT INTO ORDERS(order_id,title,first,middle,last,product_id,number_shipped,order_date)
-> VALUES(202,'myntra','demo','test','user',3,1,'2022-09-03'),
-> (203,'amazon','good','test','coder',12,25,'2022-09-04'),
-> (204,'flipkart','good','demo','coder',2,10,'2022-09-05'),
-> (205,'shein','juda','demo','correia',3,11,'2022-09-06'),
-> (206,'flipkart','good','demo','lopes',5,13,'2022-09-08'),
-> (207,'amazon','good','coder','machado',6,14,'2022-09-09'),
-> (208,'shein','sasha','demo','correia',6,25,'2022-09-10'),
-> (209,'club factory','stacy','sunil','correia',12,30,'2022-09-11'),
-> (210,'club factory','nash','neo','lopes',13,33,'2022-09-12'),
-> (211,'fraazo','juda','neo','lopes',17,39,'2022-09-13'),
-> (212,'shopea','scaru','jeso','user',15,40,'2022-09-14'),
-> (213,'amazon','good','jeso','coder',16,35,'2022-09-15'),
-> (214,'shopea','sam','ram','user',20,41,'2022-09-16'),
-> (215,'flipkart','ram','demo','lopes',21,45,'2022-09-17'),
-> (216,'fraazo','sham','neo','correia',22,39,'2022-09-18'),
-> (217,'club factory','sheru','charles','machado',23,31,'2022-09-19'),
-> (218,'shopea','scaru','ram','demo',24,40,'2022-09-20'),
-> (219,'shein','kyle','demo','correia',25,46,'2022-09-21'),
-> (220,'fraazo','mikhu','demo','machado',25,51,'2022-09-22'),
-> (221,'flipkart','tobo','coder','lopes',26,33,'2022-09-23'),
-> (222,'shopea','ross','mark','demello',27,43,'2022-09-24'),
-> (223,'wish','laura','lance','demello',22,61,'2022-09-25'),
-> (224,'wish','savil','ram','machado',22,31,'2022-09-26'),
-> (225,'myntra','swinal','demo','user',23,41,'2022-09-27'),
-> (226,'myntra','linel','neo','user',29,49,'2022-09-28');
Query OK, 25 rows affected (0.01 sec)
Records: 25 Duplicates: 0 Warnings: 0
```

JUDITH'S SQL PROJECT

➤ SELECT STATEMENT TO SHOW TABLE ORDERS:

Select*from orders

```
mysql> select*from orders;
```

order_id	title	first	middle	last	product_id	number_shipped	order_date
200	myntra	test	cowley	suzy	1	12	2022-09-01
201	nykaa	correia	centra	suzy	1	13	2022-09-02
202	myntra	demo	test	user	3	1	2022-09-03
203	amazon	good	test	coder	12	25	2022-09-04
204	flipkart	good	demo	coder	2	10	2022-09-05
205	shein	juda	demo	correia	3	11	2022-09-06
206	flipkart	good	demo	lopes	5	13	2022-09-08
207	amazon	good	coder	machado	6	14	2022-09-09
208	shein	sasha	demo	correia	6	25	2022-09-10
209	club factory	stacy	sunil	correia	12	30	2022-09-11
210	club factory	nash	neo	lopes	13	33	2022-09-12
211	fraazo	juda	neo	lopes	17	39	2022-09-13
212	shopea	scaru	jeso	user	15	40	2022-09-14
213	amazon	good	jeso	coder	16	35	2022-09-15
214	shopea	sam	ram	user	20	41	2022-09-16
215	flipkart	ram	demo	lopes	21	45	2022-09-17
216	fraazo	sham	neo	correia	22	39	2022-09-18
217	club factory	sheru	charles	machado	23	31	2022-09-19
218	shopea	scaru	ram	demo	24	40	2022-09-20
219	shein	kyle	demo	correia	25	46	2022-09-21
220	fraazo	mikhu	demo	machado	25	51	2022-09-22
221	flipkart	tobo	coder	lopes	26	33	2022-09-23
222	shopea	ross	mark	demello	27	43	2022-09-24
223	wish	laura	lance	demello	22	61	2022-09-25
224	wish	savil	ram	machado	22	31	2022-09-26
225	myntra	swinal	demo	user	23	41	2022-09-27
226	myntra	linel	neo	user	29	49	2022-09-28

```
27 rows in set (0.00 sec)
```

❖ FINDING INSIGHTS FROM THE ABOVE TABLES :

1. fetch the product name where name start with d

➔ select product_name from products where product_name like 'd%';

```
mysql> select product_name from products where product_name like 'd%';
```

product_name
dell server

```
1 row in set (0.00 sec)
```

JUDITH'S SQL PROJECT

2. show the product name ,its count and order it in ascending

➔ select product_name,count(product_name) as new from products group by product_name order by new asc;

```
MySQL 8.0 Command Line Client
mysql> select product_name,count(product_name) as new from products group by product_name order by new asc;
+-----+-----+
| product_name | new |
+-----+-----+
| dell server  | 1   |
| google chromebooks | 1   |
| cisco router | 1   |
| haier        | 1   |
| lenova       | 1   |
| apple server | 2   |
| sadasd       | 2   |
| motorola     | 2   |
| samsung group | 2   |
| oppo         | 2   |
| nokia        | 2   |
| vivo         | 2   |
| sony         | 2   |
| lava         | 2   |
| celkon       | 2   |
| xiaomi       | 2   |
| oneplus      | 3   |
+-----+-----+
17 rows in set (0.01 sec)
```

3. fetch name from products and total of minimum_required with limit as 5

➔ select product_name,sum(minimum_required) as total from products group by product_name limit 5;

```
mysql> select product_name,sum(minimum_required) as total from products group by product_name limit 5;
+-----+-----+
| product_name | total |
+-----+-----+
| dell server  | 10    |
| google chromebooks | 12    |
| apple server | 99    |
| cisco router | 5     |
| sadasd       | 104   |
+-----+-----+
5 rows in set (0.00 sec)
```

JUDITH'S SQL PROJECT

4. show id from orders where date between '2022-09-01' and '2022-09-05'

➔ select order_id from orders where order_date between '2022-09-01' and '2022-09-05';

MySQL 8.0 Command Line Client

```
mysql> select order_id from orders where order_date between '2022-09-01' and '2022-09-05';
+-----+
| order_id |
+-----+
|      200 |
|      201 |
|      202 |
|      203 |
|      204 |
+-----+
5 rows in set (0.00 sec)
```

5. fetch first from order where 3rd char is d

➔ select first from orders where first like '__d_';

```
mysql> select first from orders where first like '__d_';
+-----+
| first |
+-----+
| juda  |
| juda  |
+-----+
2 rows in set (0.00 sec)
```

JUDITH'S SQL PROJECT

6. write a subquery to update supplier_name = 'netflix user' using purchases table

➔ update suppliers set supplier_name='netflix user' where supplier_id in(select supplier_id from purchases where supplier_id=100);

```
MySQL 8.0 Command Line Client

mysql> update suppliers set supplier_name='netflix user' where supplier_id in(select supplier_id from purchases where supplier_id=100);
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select*from suppliers;
+-----+-----+
| supplier_id | supplier_name |
+-----+-----+
| 100 | netflix user |
| 101 | alpha user |
| 102 | alpha seller |
| 103 | good coder |
| 104 | clouddtail |
| 105 | apple user |
| 106 | iphone user |
| 107 | vivo user |
| 108 | oppo user |
+-----+-----+
9 rows in set (0.00 sec)
```

7. fetch number received,date,name,part number from purchases and left join between purchases and products

➔ select purchases.number_received,purchases.purchase_date,
-> products.product_name,products.part_number
-> from products
-> left join purchases on products.product_id=purchases.product_id;

JUDITH'S SQL PROJECT

MySQL 8.0 Command Line Client

```
mysql> select purchases.number_received,purchases.purchase_date,products.product_name,products.part_number  
-> from products  
-> left join purchases on products.product_id=purchases.product_id;
```

number_received	purchase_date	product_name	part_number
22	2022-06-01	dell server	X1
32	2022-06-02	google chromebooks	X8
52	2022-06-03	google chromebooks	X8
10	2022-06-17	apple server	A3
NULL	NULL	cisco router	10X
37	2022-06-18	sadasd	Y2
47	2022-06-19	motorola	Y8
NULL	NULL	oneplus	M2
66	2022-06-20	samsung group	K3
69	2022-06-21	oppo	J8
31	2022-06-22	nokia	Q35
59	2022-06-29	nokia	Q35
67	2022-06-23	vivo	Q3
53	2022-06-11	sony	E9
87	2022-06-24	sony	E9
93	2022-06-12	lava	E98
22	2022-06-25	lava	E98
59	2022-06-26	lava	E98
13	2022-06-13	celkon	W7
41	2022-06-04	haier	W1
49	2022-06-27	haier	W1
22	2022-06-28	oppo	W6
55	2022-06-30	oppo	W6
61	2022-06-05	sony	Q33
60	2022-06-14	sony	Q33
69	2022-06-06	vivo	E100
50	2022-06-15	vivo	E100
89	2022-06-07	oneplus	E152
80	2022-06-16	oneplus	E152
11	2022-06-08	apple server	K78
18	2022-06-09	motorola	K7
NULL	NULL	nokia	A100
NULL	NULL	xiaomi	A12
NULL	NULL	lenova	T43
NULL	NULL	celkon	Q217
NULL	NULL	lava	Q90
NULL	NULL	xiaomi	A33
NULL	NULL	samsung group	K367

8. concatenate the first,middle and last as newname from orders with limit as 10

➔ select concat(first," ",middle," ",last) as newname from orders limit 10;

JUDITH'S SQL PROJECT

```
MySQL 8.0 Command Line Client

mysql> select concat(first," ",middle," ",last) as newname from orders limit 10;
+-----+
| newname                |
+-----+
| test cowley suzy       |
| correia centra suzy   |
| demo test user         |
| good test coder        |
| good demo coder        |
| juda demo correia      |
| good demo lopes        |
| good coder machado     |
| sasha demo correia     |
| stacy sunil correia    |
+-----+
10 rows in set (0.00 sec)
```

9. concatenate first,middle and last from order and inner join between products and orders and also the name of the product must start with a

➔ select concat(first," ",middle," ",last) as newname
-> from orders
-> inner join products on orders.product_id=products.product_id
-> where product_name like 'a%';

```
MySQL 8.0 Command Line Client

mysql> select concat(first," ",middle," ",last) as newname
-> from orders
-> inner join products on orders.product_id=products.product_id
-> where product_name like 'a%';
+-----+
| newname                |
+-----+
| demo test user         |
| juda demo correia      |
| sam ram user           |
+-----+
3 rows in set (0.00 sec)
```

JUDITH'S SQL PROJECT

10. show ID,title from orders where first in 'demo' and 'sam'

➔ select order_id, title from orders where first in('demo','sam');

```
mysql> select order_id, title from orders where first in('demo','sam');
+-----+-----+
| order_id | title |
+-----+-----+
|      202 | myntra |
|      214 | shoepa |
+-----+-----+
2 rows in set (0.00 sec)
```

11. fetch id,title,first from orders where number shipped is greater than 35

➔ select order_id, title,first from orders where number_shipped>35;

```
mysql> select order_id, title,first from orders where number_shipped>35;
+-----+-----+-----+
| order_id | title   | first |
+-----+-----+-----+
|      211 | fraazo  | juda  |
|      212 | shoepa  | scaru |
|      214 | shoepa  | sam   |
|      215 | flipkart | ram   |
|      216 | fraazo  | sham  |
|      218 | shoepa  | scaru |
|      219 | shein   | kyle  |
|      220 | fraazo  | mikhu |
|      222 | shoepa  | ross  |
|      223 | wish    | laura |
|      225 | myntra  | swinal |
|      226 | myntra  | linel |
+-----+-----+-----+
12 rows in set (0.00 sec)
```

JUDITH'S SQL PROJECT

12. show id,number shipped from orders and fetch the first largest number shipped

➔ select order_id,number_shipped from orders order by number_shipped
-> desc limit 0,1;

```
mysql> select order_id,number_shipped from orders order by number_shipped desc limit 0,1;
+-----+-----+
| order_id | number_shipped |
+-----+-----+
|      223 |             61 |
+-----+-----+
1 row in set (0.00 sec)
```

13. show id,number shipped from orders and fetch the second largest number shipped

➔ select order_id,number_shipped from orders order by number_shipped
-> desc limit 1,1;

```
mysql> select order_id,number_shipped from orders order by number_shipped desc limit 1,1;
+-----+-----+
| order_id | number_shipped |
+-----+-----+
|      220 |             51 |
+-----+-----+
1 row in set (0.00 sec)
```

14. fetch name from suppliers where id not in 100,103,106,108

➔ select supplier_name from suppliers where supplier_id not
in(100,103,106,108);

```
mysql> select supplier_name from suppliers where supplier_id not in(100,103,106,108);
+-----+
| supplier_name |
+-----+
| alpha user    |
| alpha seller  |
| cloudtail     |
| apple user    |
| vivo user     |
+-----+
5 rows in set (0.01 sec)
```

JUDITH'S SQL PROJECT

15. delete from orders where id=226

➔ delete from orders where order_id=226;

```
mysql> delete from orders where order_id=226;  
Query OK, 1 row affected (0.01 sec)  
  
mysql> select*from orders;
```

order_id	title	first	middle	last	product_id	number_shipped	order_date
200	mynttra	test	cowley	suzy	1	12	2022-09-01
201	nykaa	correia	centra	suzy	1	13	2022-09-02
202	mynttra	demo	test	user	3	1	2022-09-03
203	amazon	good	test	coder	12	25	2022-09-04
204	flipkart	good	demo	coder	2	10	2022-09-05
205	shein	juda	demo	correia	3	11	2022-09-06
206	flipkart	good	demo	lopes	5	13	2022-09-08
207	amazon	good	coder	machado	6	14	2022-09-09
208	shein	sasha	demo	correia	6	25	2022-09-10
209	club factory	stacy	sunil	correia	12	30	2022-09-11
210	club factory	nash	neo	lopes	13	33	2022-09-12
211	fraazo	juda	neo	lopes	17	39	2022-09-13
212	shopea	scaru	jeso	user	15	40	2022-09-14
213	amazon	good	jeso	coder	16	35	2022-09-15
214	shopea	sam	ram	user	20	41	2022-09-16
215	flipkart	ram	demo	lopes	21	45	2022-09-17
216	fraazo	sham	neo	correia	22	39	2022-09-18
217	club factory	sheru	charles	machado	23	31	2022-09-19
218	shopea	scaru	ram	demo	24	40	2022-09-20
219	shein	kyle	demo	correia	25	46	2022-09-21
220	fraazo	mikhu	demo	machado	25	51	2022-09-22
221	flipkart	tobo	coder	lopes	26	33	2022-09-23
222	shopea	ross	mark	demello	27	43	2022-09-24
223	wish	laura	lance	demello	22	61	2022-09-25
224	wish	savil	ram	machado	22	31	2022-09-26
225	mynttra	swinal	demo	user	23	41	2022-09-27

JUDITH'S SQL PROJECT

THANK YOU