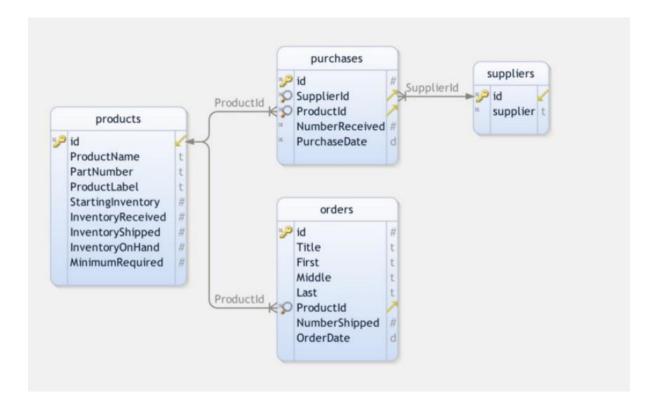
PPROJECT ON MYSQL



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

The diagram shows the number of tables along with the relationship between tables.

We need to create the system with tables along with their relationship. We are also required to put dummy data inside the table to get some insights.

Here, we will provide all query's & screenshot of tables and records.

INVENTORY_SYSTEM

1) Query to Create a Database for storing all Above Tables:

```
1    CREATE DATABASE INVENTORY__SYSTEM;
2
3    SHOW DATABASES;
4
5    USE INVENTORY__SYSTEM;
```

```
mysql> CREATE DATABASE INVENTORY__SYSTEM;
Query OK, 1 row affected (0.01 sec)
mysql> SHOW DATABASES;
 Database
 b_info
 employee_info
 information_schema
 inventory__system
 inventory_system
 maaz
 mysql
 new_schema
 performance_schema
 practice
 recon
 sakila
 sys
 todo table
 world
15 rows in set (0.00 sec)
mysql> USE INVENTORY__SYSTEM;
Database changed
mysql> _
```

1) Query to Create Suppliers Table :

```
4 • © CREATE TABLE SUPPLIERS(
5 SUPPLIER_ID INT NOT NULL,
6 SUPPLIER_NAME VARCHAR(225),
7 PRIMARY KEY(SUPPLIER_ID)
8
```

2) Screen Shot of Desc Suppliers Table:

```
mysql> DESC SUPPLIERS;

+ Field | Type | Null | Key | Default | Extra |

+ SUPPLIER_ID | int | NO | PRI | NULL | |

| SUPPLIER_NAME | varchar(225) | YES | | NULL | |

+ Tows in set (0.00 sec)
```

3) Query to Insert Records in Suppliers Table:

```
INSERT INTO SUPPLIERS (SUPPLIER_ID,SUPPLIER_NAME)

VALUES

(01,'Alpha Seller'),(02,'Cloud Tail'),

(03,'Acme Tech'),(04,'CDW'),

(05,'ShockWave Tech'),(06,'Dell BV'),

(07,'AT&T Inc'),(08,'Oracle');
```

4) Screen Shot of Suppliers Table with records:

1) Query to Create Purchases Table:

```
21 • ○ CREATE TABLE PURCHASES(
22
      PURCHASE_ID INT NOT NULL,
23
      SUPPLIER_ID INT NOT NULL,
      PRODUCT_ID INT NOT NULL,
24
25
      NUMBER_RECEIVED INT NOT NULL,
      PURCHASE_DATE VARCHAR(225),
26
      PRIMARY KEY(PURCHASE_ID),
27
      FOREIGN KEY(SUPPLIER_ID) REFERENCES SUPPLIERS(SUPPLIER_ID),
28
      FOREIGN KEY(PRODUCT_ID) REFERENCES PRODUCTS(PRODUCT_ID)
29
30
      );
```

2) Screen Shot of Desc Purchases Table:

```
nysql> DESC PURCHASES;
                  Type
                                  Null | Key |
 PURCHASE ID
                                   NO
 SUPPLIER_ID
                   int
                                   NO
                                          MUL
                                                NULL
 PRODUCT ID
                                   NO
                                          MUL
                   int
                                                NULL
 NUMBER RECEIVED
                   int
                                   NO
                                                NULL
                 varchar(225)
 PURCHASE_DATE
                                 YES
                                                NULL
rows in set (0.00 sec)
```

3) Query to Insert Records in Purchases Table:

```
INSERT INTO PURCHASES (PURCHASE ID, SUPPLIER ID, PRODUCT ID, NUMBER RECEIVED, PURCHASE DATE)
82
     VALUES
83
     (101,8,1021,15,'2003-12-06'),(102,2,1009,20,'2004-02-24'),(103,5,1024,77,'2005-04-25'),
84
     (104,1,1030,61,'2017-03-10'),(105,3,1015,42,'2009-07-14'),(106,6,1014,18,'2010-06-08'),
     (107,7,1011,72,'2015-10-07'),(108,4,1029,66,'2020-11-02'),(109,6,1022,87,'2016-01-01'),
85
     (110,8,1013,19,'2012-10-28'),(111,4,1003,5,'2006-02-17'),(112,7,1002,81,'2016-01-23'),
87
     (113,5,1008,76,'2022-06-26'),(114,3,1020,84,'2002-12-15'),(115,2,1012,93,'2014-09-18'),
     (116,1,1005,105,'2018-07-13'),(117,2,1019,101,'2011-11-11'),(118,8,1001,94,'2019-03-29'),
88
     (119,4,1002,59,'2008-05-09'),(120,5,1007,31,'2021-08-19'),(121,7,1026,120,'2001-04-22'),
     (122,6,1027,37,'2007-06-05'),(123,3,1023,102,'2022-02-20'),(124,1,1016,132,'2009-04-04'),
90
     (125,4,1017,120,'2010-07-21'),(126,7,1010,95,'2016-12-16'),(127,6,1004,104,'2003-11-12'),
91
     (128,2,1018,43,'2001-09-03'),(129,5,1006,10,'2014-05-27'),(130,8,1025,145,'2018-10-02');
```

4) Screen Shot of Purchases Table with Records:

```
mysql> select * from purchases;
 PURCHASE_ID | SUPPLIER_ID | PRODUCT_ID | NUMBER_RECEIVED | PURCHASE_DATE
          101
                            8
                                        1021
                                                              15
                                                                    2003-12-06
          102
                                        1009
                                                              20
                                                                    2004-02-24
                                                              77
                                                                    2005-04-25
           103
                                        1024
                                                                    2017-03-10
           104
                                        1030
                                                              61
                            1
           105
                                        1015
                                                              42
                                                                    2009-07-14
           106
                            6
                                        1014
                                                              18
                                                                    2010-06-08
                                                                    2015-10-07
           107
                                        1011
                                                              72
           108
                                        1029
                                                              66
                                                                    2020-11-02
           109
                            6
                                        1022
                                                              87
                                                                    2016-01-01
                                                                    2012-10-28
          110
                            8
                                        1013
                                                              19
          111
                            4
                                        1003
                                                                    2006-02-17
          112
                                                              81
                                                                    2016-01-23
                                        1002
                                                              76
                                                                    2022-06-26
          113
                                        1008
          114
                                        1020
                                                              84
                                                                    2002-12-15
                                                                    2014-09-18
          115
                            2
                                        1012
                                                              93
          116
                            1
                                                             105
                                                                    2018-07-13
                                        1005
           117
                            2
                                                             101
                                                                    2011-11-11
                                        1019
           118
                            8
                                        1001
                                                              94
                                                                    2019-03-29
                                                              59
                                                                    2008-05-09
           119
                            4
                                        1002
          120
                                                              31
                                                                    2021-08-19
                                        1007
           121
                                        1026
                                                             120
                                                                    2001-04-22
                            6
                                                                    2007-06-05
          122
                                        1027
                                                              37
          123
                                                             102
                                                                    2022-02-20
                                        1023
          124
                            1
                                        1016
                                                             132
                                                                    2009-04-04
                                                                    2010-07-21
          125
                                        1017
                                                             120
           126
                                        1010
                                                              95
                                                                    2016-12-16
                            6
                                                             104
           127
                                        1004
                                                                    2003-11-12
                                                                    2001-09-03
                            2
                                                              43
           128
                                        1018
                                                                    2014-05-27
           129
                                                              10
                                        1006
           130
                                                             145 l
                                                                    2018-10-02
                                        1025
30 rows in set (0.00 sec)
```

1) Query to Create Products Table:

```
9 • ○ CREATE TABLE PRODUCTS(
10
       PRODUCT_ID INT NOT NULL,
       PRODUCT_NAME VARCHAR(225),
11
12
       PART_NUMBER VARCHAR(225),
13
       PRODUCT_LABEL VARCHAR(225),
14
       STARTING_INVENTORY VARCHAR(225),
       INVENTORY_RECEIVED INT,
15
       INVENTORY_SHIPPED INT,
16
       INVENTORY_ON_HAND VARCHAR(225),
17
       MINIMUM_REQUIRED INT,
18
19
       PRIMARY KEY(PRODUCT_ID)
20
       );
```

2) Screen Shot of Desc Products Table:

```
nysql> DESC PRODUCTS;
                                     | Null | Key | Default | Extra
 Field
                      Type
 PRODUCT_ID
                       int
                                       NO
                                              PRI
                                                     NULL
 PRODUCT_NAME
                       varchar(225)
                                       YES
                                                     NULL
 PART_NUMBER
                       varchar(225)
                                       YES
                                                     NULL
 PRODUCT_LABEL
                       varchar(225)
                                       YES
                                                     NULL
 STARTING_INVENTORY
                       varchar(225)
                                       YES
                                                     NULL
 INVENTORY RECEIVED
                       int
                                       YES
                                                     NULL
 INVENTORY SHIPPED
                       int
                                       YES
                                                     NULL
 INVENTORY ON HAND
                       varchar(225)
                                       YES
                                                     NULL
 MINIMUM_REQUIRED
                       int
                                       YES
                                                     NULL
 rows in set (0.00 sec)
```

3) Query to Insert Records in Products Table:

```
INSERT INTO PRODUCTS (PRODUCT_ID, PRODUCT_NAME, PART_NUMBER, PRODUCT_LABEL, STARTING_INVENTORY, INVENTORY_RECEIVED, INVENTORY_SHIPPED, INVENTORY_ON_HAND, MINIMUM_REQUIRED)
49 •
       (1001,'Dell Server','XP 2000','Dell Server-XP 2000','100,007',35,25,'100,017',15),
       (1002, 'Google ChromeBooks', '1', 'Google Chromebooks-1.0', '100',75,654,'-479',20),
       (1003.'Cisco Router'.'10X'.'Cisco Router-10X'.'45'.143.76.'86'.88).
53
      (1004, 'Sadasd', '21', 'Sadasd-21', '25',0,0, '25',10),
       (1005, 'Semih', '37', 'Semih-37', '1', 12, 5, '8', 5),
       (1006, 'Wipro', '22', 'Wipro-22', '32', 256, 10, '85', 20),
       (1007, 'Cognizant It', 'WP 2001', 'Cognizant-WP 3000', '210',65,350, '-550',28),
       (1008, 'TATA Consultant', 'MWP 24', 'TATA Consultant-MWP 2.05', '28',670,50, '398',5),
      (1009, 'MicroSoft Technology', 'AWS 2.50', 'MicroSoft Technology-AWS 6000', '3', 95, 957, '65', 35),
       (1010, 'It Vedant', '85', 'It Vedant-85', '8', 256, 07, '-125', 9),
       (1011,'It Departement','2','It Departement-2','20',97,170,'65',16),
       (1012, 'Aditya Birla Group', 'AWP 1000', 'Aditya Birla Group-AWS 1000', '250,700',258,957, '678',82),
       (1013, 'IBM Techno', 'CWD 2.50', 'IBM Techno-CWD 2.50', '3', 258, 33, '297', 250),
      (1014, 'Au Small Finance', 'AUS 35.2', 'Au Small Finance-AUS 35.2', '35', 35, 135, '13.56', 980),
       (1015, 'Axis Bank', '125-AXS', 'Axis Bank 125-AXS', '03', 330, 957, '65', 35),
       (1016, 'Future It Company', '123', 'Future It Company 123', '102', 65, 350, '-368', 28),
       (1017, 'Bajaj It Finance', 'FT-320', 'Bajaj It Finance FT-320', '330',651,89,'1002',230),
       (1018, 'All Native Designs', '3502', 'All Native Designs 3502', '25', 615, 980, '678', 38),
       (1019, 'Cards Crafty', '35-CC', 'Cards Crafty 35-CC', '989', 250, 68, '6548', 230),
      (1020, 'Code That Speaks', 'CTS 2587', 'Code That Speaks-CTS 2587', '232,52',890,32,'-56',355),
       (1021, 'BNL Programmers', 'BP-320', 'BNL Programmers BP-320', '35',516,98, '356',96),
       (1022, 'Bridger Data Solutions', 'BDS-290', 'Bridger Data Solutions BDS-290', '65',87,21, '13',9),
      (1023, 'Code Red Technology', 'CRT-98', 'Code Red Technology CRT-98', '303', 361, 250, '6589', 320),
       (1024, 'Software Island', '6598', 'Software Island 6598', '26', 34,608, '-6931', 25),
      (1025, 'Cool Source Code', 'CSC-390', 'Cool Source Code CSC-390', '35', 254, 18, '56', 205),
       (1026, 'Cryptical Coders', 'CO-5687', 'Cryptical Coders CO-5687', '105', 98, 188, '560', 20),
       (1027, 'Cryptware Tech International', 'CTI-305', 'Cryptware Tech International CTI-305', '3',2,25,'352',8),
      (1028, 'ICT Systems', 'ICT-7854', 'ICT Systems ICT-7854', '09', 989, 18, '1250', 95),
       (1029, 'Soften Software House', 'SSH-12', 'Soften Software House SSH-12', '1050', 989, 850, '356', 105),
       (1030, 'Genetech Solutions', 'GS-540', 'Genetech Solutions GS-450', '32', 660, 80, '5601', 56);
```

4) Screen Shot of Products Table with Records:

DUCT_ID	PRODUCT_NAME		PRODUCT_LABEL		INVENTORY_RECEIVED		INVENTORY_ON_HAND	MINIMUM_REQUIR
1001	Dell Server	XP 2000	Dell Server-XP 2000	100,007	35		100,017	
1002		1	Google Chromebooks-1.0	100	75	654		
1003	Cisco Router	10X	Cisco Router-10X	45	143	76	86	
1004	Sadasd	21	Sadasd-21	25	0	0		l
1005	Semih	37	Semih-37	1	12	5		l
1006	Wipro	22	Wipro-22	32	256	10		l
1007	Cognizant It	WP 2001	Cognizant-WP 3000	210	65	350	-550	
1008	TATA Consultant	MWP 24	TATA Consultant-MWP 2.05	28	670	50	398	l
1009	MicroSoft Technology	AWS 2.50	MicroSoft Technology-AWS 6000	3	95	957		
		85	It Vedant-85	8	256	7		
1011	It Departement	2	It Departement-2	20	97	170		
	Aditya Birla Group	AWP 1000	Aditya Birla Group-AWS 1000	250,700	258	957	678	l
		CWD 2.50	IBM Techno-CWD 2.50	3	258	33		:
		AUS 35.2	Au Small Finance-AUS 35.2	35	35		13.56	
	Axis Bank	125-AXS	Axis Bank 125-AXS	03	330	957		l
1016	Future It Company	123	Future It Company 123	102	65	350	-368	
1017		FT-320	Bajaj It Finance FT-320	330	651	89	1002	:
1018		3502	All Native Designs 3502	25	615	980	678	l
1019	Cards Crafty	35-CC	Cards Crafty 35-CC	989	250	68	6548	:
1020	Code That Speaks	CTS 2587	Code That Speaks-CTS 2587	232,52	890	32		:
1021	BNL Programmers	BP-320	BNL Programmers BP-320	35	516	98	356	l
1022	Bridger Data Solutions	BDS-290	Bridger Data Solutions BDS-290	65	87	21		
1023	Code Red Technology	CRT-98	Code Red Technology CRT-98	303	361	250	6589] 3
1024		6598	Software Island 6598	26	34	608		
1025	Cool Source Code	CSC-390	Cool Source Code CSC-390	35	254	18		1
1026		CO-5687	Cryptical Coders CO-5687	105	98	188	560	!
1027			Cryptware Tech International CTI-305	3	2	25		
1028		ICT-7854	ICT Systems ICT-7854	09	989	18	1250	
1029	Soften Software House	SSH-12	Soften Software House SSH-12	1050	989	850	356	1
1030	Genetech Solutions	GS-540	Genetech Solutions GS-450	32	660	80	5601	

1) Query to Create Orders Table:

```
31 • ⊝ CREATE TABLE ORDERS(
32
      ORDER_ID INT NOT NULL,
33
      TITLE VARCHAR(225),
      FIRST VARCHAR(225),
34
35
      MIDDLE VARCHAR(225),
      LAST VARCHAR(225),
36
      PRODUCT_ID INT NOT NULL,
37
      NUMBER_SHIPPED INT NOT NULL,
38
      ORDER_DATE VARCHAR(225),
39
40
      PRIMARY KEY(ORDER_ID),
      FOREIGN KEY(PRODUCT_ID) REFERENCES PRODUCTS(PRODUCT_ID)
41
42
      );
```

2) Screen Shot of Desc Orders Table:

```
mysql> DESC ORDERS;
 Field
                 Type
                                  Null | Key | Default | Extra
 ORDER_ID
                   int
                                   NO
                                          PRI
                                                NULL
 TITLE
                   varchar(225)
                                   YES
                                                NULL
 FIRST
                   varchar(225)
                                   YES
                                                NULL
 MIDDLE
                   varchar(225)
                                   YES
                                                NULL
                                   YES
 LAST
                   varchar(225)
 PRODUCT_ID
                                          MUL
                   int
                                   NO
                                                NULL
 NUMBER SHIPPED
                   int
                                   NO
                                                NULL
 ORDER_DATE
                   varchar(225)
                                  YES
                                                NULL
 rows in set (0.00 sec)
```

3) Query to Insert Records in Orders Table

```
INSERT INTO ORDERS (ORDER_ID,TITLE,FIRST,MIDDLE,LAST,PRODUCT_ID,NUMBER_SHIPPED,ORDER_DATE) VALUES
         (201, 'cbigley0', 'Inez', 'Abad', 'Heath', 1008, 145, '2018-10-02'),
         (202, 'adanilov1', 'Vivia', 'Voice', 'Wayne', 1019, 104, '2003-11-12'),
         (203, 'glongland2', 'Nevins', 'Goulter', 'Joline', 1003, 132, '2009-04-04'),
 97
         (204, 'rclotworthy3', 'Elsey', 'Laterza', 'Borg', 1004, 120, '2001-04-22'),
         (205, 'mbacksal4', 'Starlin', 'Colhoun', 'Leeann', 1030, 94, '2019-03-29'),
         (206, 'rlille5', 'Sharleen', 'Lesaunier', 'Molli', 1029, 93, '2014-09-18'),
         (207, 'bpurvis6', 'Erhard', 'Dreng', 'Mitchael', 1026, 81, '2016-01-23'),
100
         (208, 'kelen7', 'Martynne', 'Siggers', 'Lucas', 1024, 87, '2016-01-01'),
         (209, 'pkiernan8', 'Leslie', 'MacGinney', 'Alexine', 1002, 18, '2010-06-08'),
102
103
         (210, 'fhannam9', 'Leonerd', 'Wonter', 'Marvin', 1010,77, '2005-04-25'),
         (211, 'ichrstinea', 'Keith', 'Lilburn', 'Lita', 1016, 43, '2001-09-03'),
         (212, 'bdunbabinb', 'Lula', 'Cornthwaite', 'Leonid', 1014, 120, '2010-07-21'),
105
         (213, 'cgrogonac', 'Clim', 'Lambert', 'Emerson', 1028, 37, '2007-06-05'),
         (214, 'apallyd', 'Eva', 'Ciccotto', 'Paten', 1018, 59, '2008-05-09'),
         (215, 'gstolze', 'Nicolina', 'Schelle', 'Amitie', 1017, 105, '2018-07-13'),
108
         (216, 'mhovef', 'Dwayne', 'Emmott', 'Astrid', 1007, 76, '2022-06-26'),
110
         (217, 'amoseg', 'Alexina', 'Clayfield', 'Susann', 1001, 19, '2012-10-28'),
         (218, 'nouchterlonyh', 'Cindie', 'Kemster', 'Melamie', 1009, 72, '2015-10-07'),
111
         (219, 'swinklei', 'Kev', 'Brocklehurst', 'Carline', 1021, 61, '2017-03-10'),
113
         (220, 'sferensj', 'Eunice', 'Squires', 'Erasmus', 1006, 15, '2003-12-06'),
         (221, 'mmcelroyk', 'Rudyard', 'Fenne', 'Dillie', 1005, 20, '2004-02-24'),
114
         (222, 'mszymonil', 'Kamillah', 'Harrow', 'Pierrette', 1011, 42, '2009-07-14'),
         (223, 'glooneym', 'Russ', 'Corp', 'Candice', 1013, 66, '2020-11-02'),
116
117
         (224, 'aeddisn', 'Arnaldo', 'Meth', 'Meridel', 1023, 5, '2006-02-17'),
         (225, 'lfareyo', 'Hewitt', 'Couttes', 'Penelope', 1015, 84, '2002-12-15'),
         (226, 'rsebbornp', 'Esdras', 'Silcocks', 'Tiphani', 1022, 101, '2011-11-11'),
119
         (227, 'ldwerryhouseq', 'Anna-diane', 'Buxey', 'Florentia', 1012, 31, '2021-08-19'),
         (228, 'lbushnellr', 'Haleigh', 'Thornham', 'Kendall', 1025, 102, '2022-02-20'),
         (229, 'bdaverins', 'Hansiain', 'Klesel', 'Agretha', 1020, 95, '2016-12-16'),
122
         (230, 'gdesortst', 'Edna', 'Durtnel', 'Felicity', 1027, 10, '2014-05-27');
```

4) Screen Shot of Orders Table with Records:

RDER_ID	TITLE	FIRST	MIDDLE	LAST	PRODUCT_ID	NUMBER_SHIPPED	ORDER_DATE
201	cbigley0	Inez	Abad	Heath	1008	145	2018-10-02
202	adanilov1	Vivia	Voice	Wayne	1019	104	2003-11-12
203	glongland2	Nevins	Goulter	Joline	1003	132	2009-04-04
204	rclotworthy3	Elsey	Laterza	Borg	1004	120	2001-04-22
205	mbacksal4	Starlin	Colhoun	Leeann	1030	94	2019-03-29
206	rlille5	Sharleen	Lesaunier	Molli	1029	93	2014-09-18
207	bpurvis6	Erhard	Dreng	Mitchael	1026	81	2016-01-23
208	kelen7	Martynne	Siggers	Lucas	1024	87	2016-01-01
209	pkiernan8	Leslie	MacGinney	Alexine	1002	18	2010-06-08
210	fhannam9	Leonerd	Wonter	Marvin	1010	77	2005-04-25
211	ichrstinea	Keith	Lilburn	Lita	1016	43	2001-09-03
212	bdunbabinb	Lula	Cornthwaite	Leonid	1014	120	2010-07-21
213	cgrogonac	Clim	Lambert	Emerson	1028	37	2007-06-05
214	apallyd	Eva	Ciccotto	Paten	1018	59	2008-05-09
215	gstolze	Nicolina	Schelle	Amitie	1017	105	2018-07-13
216	mhovef	Dwayne	Emmott	Astrid	1007	76	2022-06-26
217	amoseg	Alexina	Clayfield	Susann	1001	19	2012-10-28
218	nouchterlonyh	Cindie	Kemster	Melamie	1009	72	2015-10-07
219	swinklei	Kev	Brocklehurst	Carline	1021	61	2017-03-10
220	sferensj	Eunice	Squires	Erasmus	1006	15	2003-12-06
221	mmcelroyk	Rudyard	Fenne	Dillie	1005	20	2004-02-24
222	mszymonil	Kamillah	Harrow	Pierrette	1011	42	2009-07-14
223	glooneym	Russ	Corp	Candice	1013	66	2020-11-02
224	aeddisn	Arnaldo	Meth	Meridel	1023	5	2006-02-17
225	lfareyo	Hewitt	Couttes	Penelope	1015	84	2002-12-15
226	rsebbornp	Esdras	Silcocks	Tiphani	1022	101	2011-11-11
227	ldwerryhouseq	Anna-diane	Buxey	Florentia	1012	31	2021-08-19
228	lbushnellr	Haleigh	Thornham	Kendall	1025	102	2022-02-20
229	bdaverins	Hansiain	Klesel	Agretha	1020	95	2016-12-16
230	gdesortst	Edna	Durtnel	Felicity	1027	10	2014-05-27

FINDING INSIGHTS FROM ABOVE TABLES

1) Query to find purchase_date <u>between</u> '2010-1-1' to '2018-1-1' from order Table.

nysql> select * from orders where order_date between '2010-1-1' and '2018-1-1';										
ORDER_ID	TITLE	FIRST	MIDDLE	LAST	PRODUCT_ID	NUMBER_SHIPPED	ORDER_DATE			
206	rlille5	Sharleen	Lesaunier	Molli	1029	93	2014-09-18			
207	bpurvis6	Erhard	Dreng	Mitchael	1026	81	2016-01-23			
208	kelen7	Martynne	Siggers	Lucas	1024	87	2016-01-01			
215	gstolze	Nicolina	Schelle	Amitie	1017	105	2018-07-13			
217	amoseg	Alexina	Clayfield	Susann	1001	19	2012-10-28			
218	nouchterlonyh	Cindie	Kemster	Melamie	1009	72	2015-10-07			
219	swinklei	Kev	Brocklehurst	Carline	1021	61	2017-03-10			
226	rsebbornp	Esdras	Silcocks	Tiphani	1022	101	2011-11-11			
229	bdaverins	Hansiain	Klesel	Agretha	1020	95	2016-12-16			
230	gdesortst	Edna	Durtnel	Felicity	1027	10	2014-05-27			
orows in s	set (0.00 sec)			+	+					

2) <u>Query</u> to find product_name <u>like</u> 'Dell%' & 'TATA%' from products Table.

3) Extracting Maximum of Starting_inventory and Productname of common products using Aggregate function.

4) <u>Extracting</u> Average of Minium_required and Productname of common products using <u>Aggregate</u> <u>function</u>.

```
rsql> SELECT PRODUCT_ID,PRODUCT_NAME,AVG(MINIMUM_REQUIRED) FROM PRODUCTS GROUP BY PRODUCT_ID,PRODUCT_NAME LIMIT 10;
 PRODUCT_ID | PRODUCT_NAME
                                      AVG(MINIMUM_REQUIRED)
              Dell Server
                                                        15.0000
        1001
       1002
               Google ChromeBooks
                                                        20.0000
              Cisco Router
Sadasd
Semih
       1003
                                                        88.0000
       1004
                                                        10.0000
       1005
                                                         5.0000
       1006
              Wipro
                                                        20.0000
       1007
               Cognizant It
                                                        28.0000
       1008 | TATA Consultant
1009 | MicroSoft Technology
1010 | It Vedant
                                                         5.0000
                                                        35.0000
                                                         9.0000
0.00 sec)
```

5) Extracting first, second and third highest Inventory Shipped.

a) select * from products order by StartingInventory desc limit 1;



b) select * from products order by StartingInventory desc limit 1,1;



c) select * from products order by StartingInventory desc limit 2,1;

mysql> SELECT * FROM PRODUCTS ORDER BY INVENTORY_SHIPPED DESC LIMIT 2,1;										
PRODUCT_ID	PRODUCT_NAME	PART_NUMBER	PRODUCT_LABEL	STARTING_INVENTORY	INVENTORY_RECEIVED	INVENTORY_SHIPPED	INVENTORY_ON_HAND	MINIMUM_REQUIRED		
1012	Aditya Birla Group	AWP 1000	Aditya Birla Group-AWS 1000	250,700	258	957	678	82		
1 row in set (0.00 sec)			,	,			+		

6) Extracting Oredrs details where number of shipped is more than 80 using Sub Query.

RDER_ID	TITLE	FIRST	MIDDLE	LAST	PRODUCT_ID	NUMBER_SHIPPED	
201	cbigley0	Inez	Abad	Heath	1008	145	2018-10-02
202	adanilov1	Vivia	Voice	Wayne	1019	104	2003-11-12
203	glongland2	Nevins	Goulter	Joline	1003	132	2009-04-04
204	rclotworthy3	Elsey	Laterza	Borg	1004	120	2001-04-22
205	mbacksal4	Starlin	Colhoun	Leeann	1030	94	2019-03-29
206	rlille5	Sharleen	Lesaunier	Molli	1029	93	2014-09-18
207	bpurvis6	Erhard	Dreng	Mitchael	1026	81	2016-01-23
208	kelen7	Martynne	Siggers	Lucas	1024	87	2016-01-01
212	bdunbabinb	Lula	Cornthwaite	Leonid	1014	120	2010-07-21
215	gstolze	Nicolina	Schelle	Amitie	1017	105	2018-07-13
225	lfareyo	Hewitt	Couttes	Penelope	1015	84	2002-12-15
226	rsebbornp	Esdras	Silcocks	Tiphani	1022	101	2011-11-11
228	lbushnellr	Haleigh	Thornham	Kendall	1025	102	2022-02-20
229	bdaverins	Hansiain	Klesel	Agretha	1020	95	2016-12-16

7) <u>Extracting</u> products details where numbers of product_shipped is more than or equal to 2 and Order_date is between 2022-07-01 and 2022-07-30 using <u>Sub Query</u>.

mysql)	> select * from products	where id in	(select ProductId from order	rs where NumberShippe	d>=2 and OrderDate	between "2022-07-01"	and "2022-07-30");
id	ProductName	PartNumber	ProductLabel	StartingInventory	InventoryReceived	InventoryShipped	InventoryOnHand	MinimumRequired
			Acer predator triton 300 Dell XPS 13	100 5500	8758 360	7845 75	1013 5785	71 25
2 rows								,

8) <u>Extracting</u> Minimum 10 Records Between Suppliers and purchases Table using <u>Right Joint</u>.

9) <u>Extracting Minimum 10 Records Between Products and purchases Table using Left Joint.</u>

10) Extracting Minimum 10 Records Between Purchases and Product Table using inner Joint.

11) <u>Extracting Minimum 10 Records from Purchases and Suppliers Table using Full Joint.</u>