

Nutthawat Panyangnoi

CS45 Database

Project PHP Preparation Project

Requirement #4

1. Display the ID, last and first names of all Customers;

`SELECT Cust_Code, Cust_LName, Cust_FName FROM Customer;`

```
[mysql> select Cust_Code, Cust_LName, Cust_FName from Customer;
+-----+-----+-----+
| Cust_Code | Cust_LName | Cust_FName |
+-----+-----+-----+
| 1 | Panyangnoi | Nutthawat |
| 2 | Mizaki | Issac |
| 3 | William | Robert |
| 4 | Smith | Keylly |
| 5 | Olivia | Mark |
| 6 | Robert | Julia |
| 7 | Neilson | Liam |
| 8 | Watson | Emma |
+-----+-----+-----+
8 rows in set (0.00 sec)

mysql>
```

2. Display all invoices which belong to a specific Customer code

`Select * from Invoice where Cust_Code=2;`

```
[mysql> Select * from Invoice where Cust_Code=2;
+-----+-----+-----+
| Inv_Number | Cust_Code | Inv_Date |
+-----+-----+-----+
| 102 | 2 | 2019-12-13 |
| 199 | 2 | 2020-04-15 |
| 201 | 2 | 2020-04-13 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

- List all invoice line items (Product code, Units, Price, Extension) which belong to a specific Invoice number. Extension is the Units*Prices.

Select Prod_Code, Line_Units, Line_Price, Line_units*Line_Price as Extension From LineItem
WHERE Inv_Number=104;

```
mysql> Select Prod_Code, Line_Units, Line_Price, Line_Units*Line_Price as Extension From LineItem where Inv_Number =104;
```

Prod_Code	Line_Units	Line_Price	Extension
0	2	36,48	72,96

row in set (0.00 sec)

- List all Products which Belong to a specific vendor

Select * From Product where V_Code=1105;

```
mysql> Select * From Product where V_Code=1105;
```

Prod_Code	P_Description	P_InDate	P_QtyOnHand	P_Min	P_Price	P_Discount	V_Code
3001	Ipad Pro 2020	2020-04-04	100	30	1200	0	1105
3004	Surface Pro	2019-01-11	15	2	1400.5	0	1105
3005	Macbook pro 16	2019-11-23	100	30	2200.34	0	1105
3009	Apple Pencil version 3	2020-04-04	100	30	140	0	1105
3010	Apple New Ipad Keyboard/Trackpad	2020-04-04	100	20	340	0	1105
6510	AMD Ryzen 5 3600x 6-core/12-Thread CPU	2019-08-08	400	150	199.99	0	1105
6511	MSI Gameing B450 AC Motherboard	2019-08-08	100	50	129.97	0	1105
6512	RAM Corsair Vengeance LPX 16 GB DDR4 3200 mhz	2019-08-08	300	20	77.99	0	1105
11025	Nvidia 2060 super Founder Edition GPU 8gb Vram	2019-12-23	1000	130	399.99	0	1105
11026	Nvidia 2070 super Founder Edition GPU 8gb Vram	2019-12-23	1000	130	499.99	0	1105
11027	Nvidia 2080 Founder Edition GPU 8gb Vram	2019-12-23	1000	130	499.99	0	1105
11028	Nvidia 2080 SUPER Founder Edition GPU 8gb Vram	2019-12-23	1000	130	680.99	0	1105
11029	Nvidia 2080 RTX TI Founder Edition GPU 11gb Vram	2019-12-23	1000	130	1200.53	0	1105

13 rows in set (0.00 sec)

```
mysql>
```

To clarify more detail by add column of Vendor Name and Vendor Code

SELECT a.Prod_Code, a.P_Description, a.P_InDate, a.P_QtyOnHand, a.P_Min, a.P_Price, a.P_Discount ,b.V_Name, b.V_Code FROM Product as a JOIN Vendor b ON b.V_Code=a.V_Code WHERE V_Name ='BestBuy';

```
mysql> SELECT a.Prod_Code, a.P_Description, a.P_InDate, a.P_QtyOnHand, a.P_Min,a.P_Price,a.P_Discount ,b.V_Name FROM Product as a JOIN Vendor b ON b.V_Code=a.V_Code WHERE V_Name ='BestBuy';
```

Prod_Code	P_Description	P_InDate	P_QtyOnHand	P_Min	P_Price	P_Discount	V_Name
3001	Ipad Pro 2020	2020-04-04	100	30	1200	0	BestBuy
3004	Surface Pro	2019-01-11	15	2	1400.5	0	BestBuy
3005	Macbook pro 16	2019-11-23	100	30	2200.34	0	BestBuy
3009	Apple Pencil version 3	2020-04-04	100	30	140	0	BestBuy
3010	Apple New Ipad Keyboard/Trackpad	2020-04-04	100	20	340	0	BestBuy
6510	AMD Ryzen 5 3600x 6-core/12-Thread CPU	2019-08-08	400	150	199.99	0	BestBuy
6511	MSI Gameing B450 AC Motherboard	2019-08-08	100	50	129.97	0	BestBuy
6512	RAM Corsair Vengeance LPX 16 GB DDR4 3200 mhz	2019-08-08	300	20	77.99	0	BestBuy
11025	Nvidia 2060 super Founder Edition GPU 8gb Vram	2019-12-23	1000	130	399.99	0	BestBuy
11026	Nvidia 2070 super Founder Edition GPU 8gb Vram	2019-12-23	1000	130	499.99	0	BestBuy
11027	Nvidia 2080 Founder Edition GPU 8gb Vram	2019-12-23	1000	130	499.99	0	BestBuy
11028	Nvidia 2080 SUPER Founder Edition GPU 8gb Vram	2019-12-23	1000	130	680.99	0	BestBuy
11029	Nvidia 2080 RTX TI Founder Edition GPU 11gb Vram	2019-12-23	1000	130	1200.53	0	BestBuy

13 rows in set (0.00 sec)

```
mysql>
```