

Database Management Systems

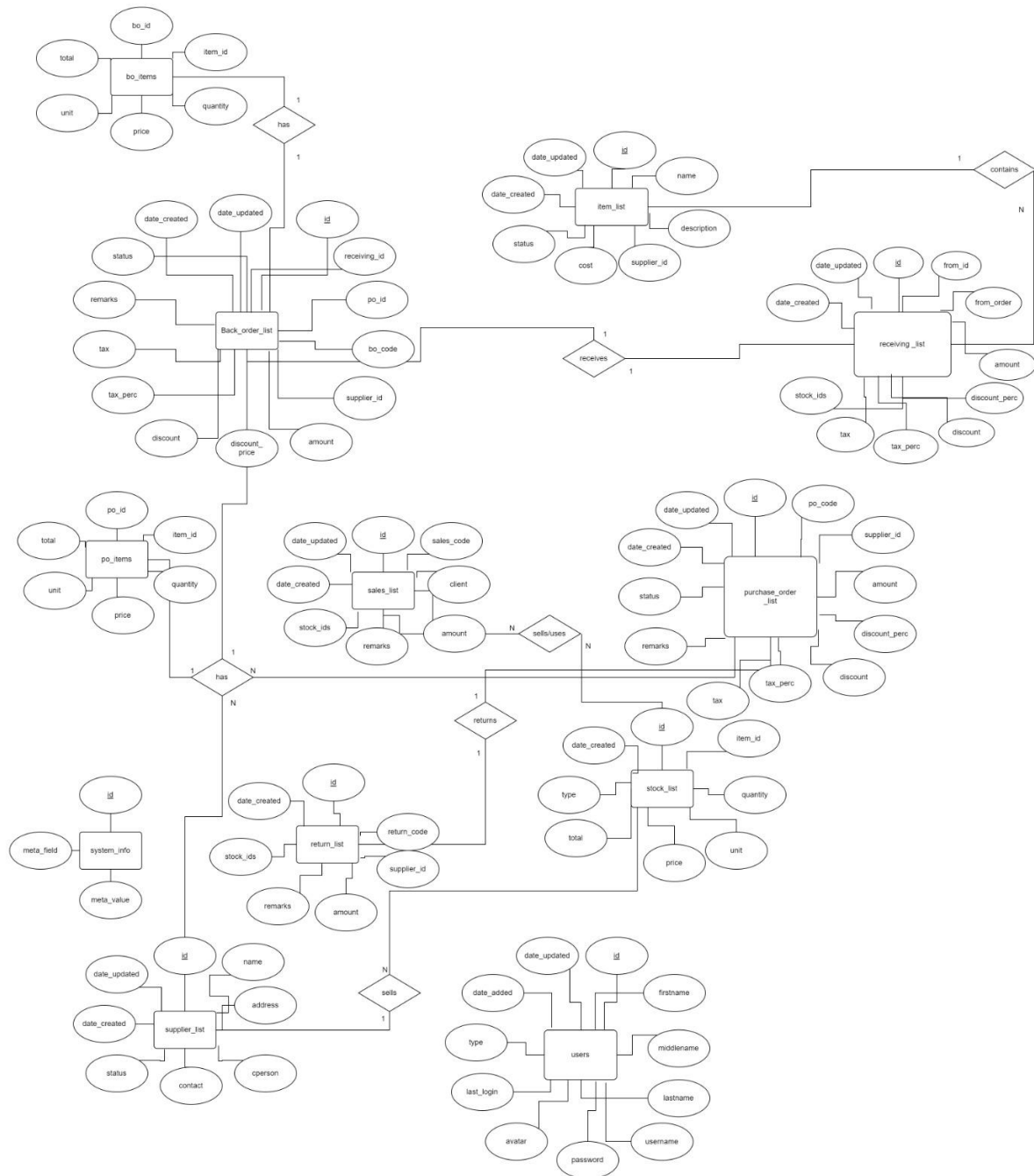
Project Report

Rashmi J
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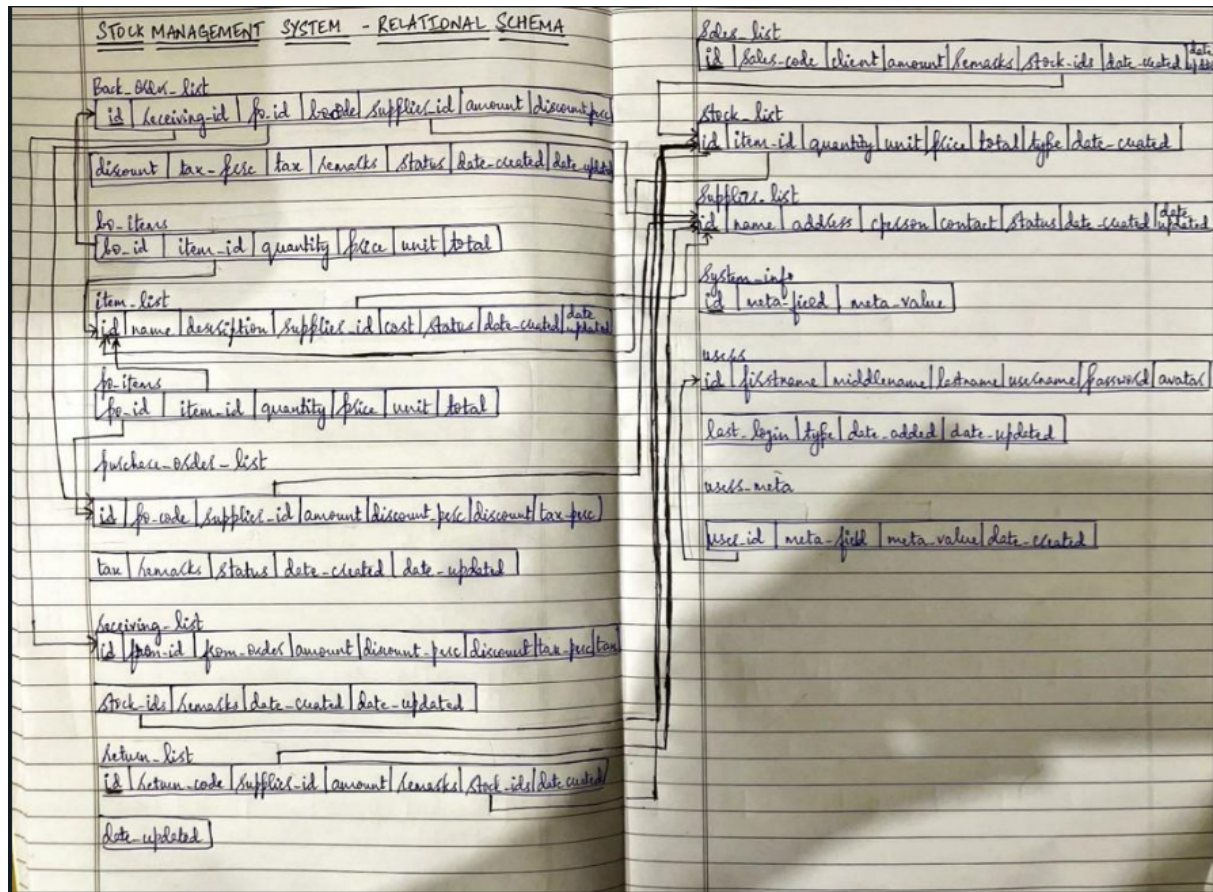
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Stock Management System

E-R Diagram



Relational Schema



Queries

```

PES1UG21CS480> CREATE TABLE 'back_order_list' (
  -> 'id' int(30) NOT NULL,
  -> 'receiving_id' int(30) NOT NULL,
  -> 'po_id' int(30) NOT NULL,
  -> 'bo_code' varchar(50) NOT NULL,
  -> 'supplier_id' int(30) NOT NULL,
  -> 'amount' float NOT NULL,
  -> 'discount_perc' float NOT NULL DEFAULT 0,
  -> 'discount' float NOT NULL DEFAULT 0,
  -> 'tax_perc' float NOT NULL DEFAULT 0,
  -> 'tax' float NOT NULL DEFAULT 0,
  -> 'remarks' text DEFAULT NULL,
  -> 'status' tinyint(4) NOT NULL DEFAULT 0 COMMENT '0 = pending, 1 = partially received, 2 =received',
  -> 'date_created' datetime NOT NULL DEFAULT current_timestamp(),
  -> 'date_updated' datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 5 warnings (0.05 sec)
  
```

```
PES1UG21CS480> desc back_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
receiving_id	int	NO		NULL	
po_id	int	NO		NULL	
bo_code	varchar(50)	NO		NULL	
supplier_id	int	NO		NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	YES		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

```
14 rows in set (0.00 sec)

PES1UG21CS480>
```

```
PES1UG21CS480> INSERT INTO `back_order_list` (`id`, `receiving_id`, `po_id`, `bo_code`, `supplier_id`, `amount`, `discount_perc`, `discount`, `tax_perc`, `tax`, `remarks`, `status`, `date_created`, `date_updated`) VALUES
-> (1, 1, 1, 'BO-0001', 1, 40740, 3, 1125, 12, 4365, NULL, 1, '2021-11-03 11:20:38', '2021-11-03 11:20:51'),
-> (2, 2, 1, 'BO-0002', 1, 20370, 3, 562.5, 12, 2182.5, NULL, 2, '2021-11-03 11:20:51', '2021-11-03 11:21:00'),
-> (3, 4, 2, 'BO-0003', 2, 42826, 5, 2012.5, 12, 4588.5, NULL, 1, '2021-11-03 11:51:41', '2021-11-03 11:52:02'),
-> (4, 5, 2, 'BO-0004', 2, 10640, 5, 500, 12, 1140, NULL, 2, '2021-11-03 11:52:02', '2021-11-03 11:52:15');
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from back_order_list;
```

id	receiving_id	po_id	bo_code	supplier_id	amount	discount_perc	discount	tax_perc	tax	remarks	status	date_created	date_updated
1	1	1	BO-0001	1	40740	3	1125	12	4365	NULL	1	2021-11-03 11:20:38	2021-11-03 11:20:51
2	2	1	BO-0002	1	20370	3	562.5	12	2182.5	NULL	2	2021-11-03 11:20:51	2021-11-03 11:21:00
3	4	2	BO-0003	2	42826	5	2012.5	12	4588.5	NULL	1	2021-11-03 11:51:41	2021-11-03 11:52:02
4	5	2	BO-0004	2	10640	5	500	12	1140	NULL	2	2021-11-03 11:52:02	2021-11-03 11:52:15

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

Back_order_list

Bo_items

```
PES1UG21CS480> CREATE TABLE `bo_items` (
-> `bo_id` int(30) NOT NULL,
-> `item_id` int(30) NOT NULL,
-> `quantity` int(30) NOT NULL,
-> `price` float NOT NULL DEFAULT 0,
-> `unit` varchar(50) NOT NULL,
-> `total` float NOT NULL DEFAULT 0
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 3 warnings (0.03 sec)
```

```
PES1UG21CS480> desc bo_items;
```

Field	Type	Null	Key	Default	Extra
bo_id	int	NO		NULL	
item_id	int	NO		NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

6 rows in set (0.00 sec)

```
PES1UG21CS480> INSERT INTO `bo_items` (`bo_id`, `item_id`, `quantity`, `price`, `unit`, `total`) VALUES
-> (1, 1, 250, 150, 'pcs', 37500),
-> (2, 1, 125, 150, 'pcs', 18750),
-> (3, 2, 150, 200, 'Boxes', 30000),
-> (3, 4, 50, 205, 'pcs', 10250),
-> (4, 2, 50, 200, 'Boxes', 10000);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from bo_items;
```

bo_id	item_id	quantity	price	unit	total
1	1	250	150	pcs	37500
2	1	125	150	pcs	18750
3	2	150	200	Boxes	30000
3	4	50	205	pcs	10250
4	2	50	200	Boxes	10000

5 rows in set (0.00 sec)

Item_list

```
PES1UG21CS480> CREATE TABLE `item_list` (
  -> `id` int(30) NOT NULL,
  -> `name` text NOT NULL,
  -> `description` text NOT NULL,
  -> `supplier_id` int(30) NOT NULL,
  -> `cost` float NOT NULL DEFAULT 0,
  -> `status` tinyint(1) NOT NULL DEFAULT 1,
  -> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
  -> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 3 warnings (0.04 sec)
```

```
PES1UG21CS480> desc item_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
name	text	NO		NULL	
description	text	NO		NULL	
supplier_id	int	NO		NULL	
cost	float	NO		0	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> INSERT INTO `item_list` (`id`, `name`, `description`, `supplier_id`, `cost`, `status`, `date_created`, `date_updated`)
VALUES
  -> (1, 'Item 101', 'Sample Only', 1, 150, 1, '2021-11-02 10:01:55', '2021-11-02 10:01:55'),
  -> (2, 'Item 102', 'Sample only', 2, 200, 1, '2021-11-02 10:02:12', '2021-11-02 10:02:12'),
  -> (3, 'Item 103', 'Sample', 1, 185, 1, '2021-11-02 10:02:27', '2021-11-02 10:02:27'),
  -> (4, 'Item 104', 'Sample only', 2, 205, 1, '2021-11-02 10:02:47', '2021-11-02 10:02:47');
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from item_list;
```

id	name	description	supplier_id	cost	status	date_created	date_updated
1	Item 101	Sample Only	1	150	1	2021-11-02 10:01:55	2021-11-02 10:01:55
2	Item 102	Sample only	2	200	1	2021-11-02 10:02:12	2021-11-02 10:02:12
3	Item 103	Sample	1	185	1	2021-11-02 10:02:27	2021-11-02 10:02:27
4	Item 104	Sample only	2	205	1	2021-11-02 10:02:47	2021-11-02 10:02:47

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

PES1UG21CS480> |

Po_items

```
PES1UG21CS480> CREATE TABLE `po_items` (
  ->   `po_id` int(30) NOT NULL,
  ->   `item_id` int(30) NOT NULL,
  ->   `quantity` int(30) NOT NULL,
  ->   `price` float NOT NULL DEFAULT 0,
  ->   `unit` varchar(50) NOT NULL,
  ->   `total` float NOT NULL DEFAULT 0
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 3 warnings (0.03 sec)
```

```
PES1UG21CS480> desc po_items;
```

Field	Type	Null	Key	Default	Extra
po_id	int	NO		NULL	
item_id	int	NO		NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

6 rows in set (0.00 sec)

```
PES1UG21CS480> INSERT INTO `po_items` (`po_id`, `item_id`, `quantity`, `price`, `unit`, `total`) VALUES
  -> (1, 1, 500, 150, 'pcs', 75000),
  -> (2, 2, 300, 200, 'Boxes', 60000),
  -> (2, 4, 200, 205, 'pcs', 41000);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from po_items;
```

po_id	item_id	quantity	price	unit	total
1	1	500	150	pcs	75000
2	2	300	200	Boxes	60000
2	4	200	205	pcs	41000

3 rows in set (0.00 sec)

Purchase_order_list

```

PES1UG21CS480> CREATE TABLE `purchase_order_list` (
-> `id` int(30) NOT NULL,
-> `po_code` varchar(50) NOT NULL,
-> `supplier_id` int(30) NOT NULL,
-> `amount` float NOT NULL,
-> `discount_perc` float NOT NULL DEFAULT 0,
-> `discount` float NOT NULL DEFAULT 0,
-> `tax_perc` float NOT NULL DEFAULT 0,
-> `tax` float NOT NULL DEFAULT 0,
-> `remarks` text NOT NULL,
-> `status` tinyint(4) NOT NULL DEFAULT 0 COMMENT '0 = pending, 1 = partially received, 2 =received',
-> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
-> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 3 warnings (0.03 sec)

PES1UG21CS480> desc purchase_order_list;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | | NULL | |
| po_code | varchar(50) | NO | | NULL | |
| supplier_id | int | NO | | NULL | |
| amount | float | NO | | NULL | |
| discount_perc | float | NO | | 0 | |
| discount | float | NO | | 0 | |
| tax_perc | float | NO | | 0 | |
| tax | float | NO | | 0 | |
| remarks | text | NO | | NULL | |
| status | tinyint | NO | | 0 | |
| date_created | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| date_updated | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED on update CURRENT_TIMESTAMP |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.01 sec)

PES1UG21CS480> INSERT INTO `purchase_order_list` (`id`, `po_code`, `supplier_id`, `amount`, `discount_perc`, `discount`, `tax_perc`,
`tax`, `remarks`, `status`, `date_created`, `date_updated`) VALUES
-> (1, 'PO-0001', 1, 81480, 3, 2250, 12, 8730, 'Sample', 2, '2021-11-03 11:20:22', '2021-11-03 11:21:00'),
-> (2, 'PO-0002', 2, 107464, 5, 5050, 12, 11514, 'Sample PO Only', 2, '2021-11-03 11:50:50', '2021-11-03 11:52:15');
Query OK, 2 rows affected (0.01 sec)
Records: 2 Duplicates: 0 Warnings: 0

PES1UG21CS480> select * from purchase_order_list;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | po_code | supplier_id | amount | discount_perc | discount | tax_perc | tax | remarks | status | date_created | date_updated |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | PO-0001 | 1 | 81480 | 3 | 2250 | 12 | 8730 | Sample | 2 | 2021-11-03 11:20:22 | 2021-11-03 11:21:00 |
| 2 | PO-0002 | 2 | 107464 | 5 | 5050 | 12 | 11514 | Sample PO Only | 2 | 2021-11-03 11:50:50 | 2021-11-03 11:52:15 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

PES1UG21CS480>

```

Receiving_order


```

PES1UG21CS480> CREATE TABLE `receiving_list` (
-> `id` int(30) NOT NULL,
-> `from_id` int(30) NOT NULL,
-> `from_order` tinyint(1) NOT NULL DEFAULT 1 COMMENT '1=PO ,2 = BO',
-> `amount` float NOT NULL DEFAULT 0,
-> `discount_perc` float NOT NULL DEFAULT 0,
-> `discount` float NOT NULL DEFAULT 0,
-> `tax_perc` float NOT NULL DEFAULT 0,
-> `tax` float NOT NULL DEFAULT 0,
-> `stock_ids` text DEFAULT NULL,
-> `remarks` text DEFAULT NULL,
-> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
-> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 3 warnings (0.03 sec)

PES1UG21CS480> desc receiving_list;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | | NULL | |
| from_id | int | NO | | NULL | |
| from_order | tinyint(1) | NO | | 1 | |
| amount | float | NO | | 0 | |
| discount_perc | float | NO | | 0 | |
| discount | float | NO | | 0 | |
| tax_perc | float | NO | | 0 | |
| tax | float | NO | | 0 | |
| stock_ids | text | YES | | NULL | |
| remarks | text | YES | | NULL | |
| date_created | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| date_updated | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED on update CURRENT_TIMESTAMP |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.00 sec)

PES1UG21CS480> INSERT INTO `receiving_list` (`id`, `from_id`, `from_order`, `amount`, `discount_perc`, `discount`, `tax_perc`, `tax`,
`stock_ids`, `remarks`, `date_created`, `date_updated`) VALUES
-> (1, 1, 1, 40740, 3, 1125, 12, 4365, '1', 'Sample', '2021-11-03 11:20:38', '2021-11-03 11:20:38'),
-> (2, 1, 2, 20370, 3, 562.5, 12, 2182.5, '2', '', '2021-11-03 11:20:51', '2021-11-03 11:20:51'),
-> (3, 2, 2, 20370, 3, 562.5, 12, 2182.5, '3', 'Success', '2021-11-03 11:21:00', '2021-11-03 11:21:00'),
-> (4, 2, 1, 64638, 5, 3037.5, 12, 6925.5, '4,5', 'Sample Receiving (Partial)', '2021-11-03 11:51:41', '2021-11-03 11:51:41'),
-> (5, 3, 2, 32186, 5, 1512.5, 12, 3448.5, '6,7', 'BO Receive (Partial)', '2021-11-03 11:52:02', '2021-11-03 11:52:02'),
-> (6, 4, 2, 10640, 5, 500, 12, 1140, '8', 'Sample Success', '2021-11-03 11:52:15', '2021-11-03 11:52:15');
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0

PES1UG21CS480> select * from receiving_list;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | from_id | from_order | amount | discount_perc | discount | tax_perc | tax | stock_ids | remarks | date_c |
| reated | | date_updated | | | | | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | 1 | 1 | 40740 | 3 | 1125 | 12 | 4365 | 1 | Sample | 2021-1 |
| 1-03 11:20:38 | 2021-11-03 11:20:38 |
| 2 | 1 | 2 | 20370 | 3 | 562.5 | 12 | 2182.5 | 2 | | 2021-1 |
| 1-03 11:20:51 | 2021-11-03 11:20:51 |
| 3 | 2 | 2 | 20370 | 3 | 562.5 | 12 | 2182.5 | 3 | Success | 2021-1 |
| 1-03 11:21:00 | 2021-11-03 11:21:00 |
| 4 | 2 | 1 | 64638 | 5 | 3037.5 | 12 | 6925.5 | 4,5 | Sample Receiving (Partial) | 2021-1 |
| 1-03 11:51:41 | 2021-11-03 11:51:41 |
| 5 | 3 | 2 | 32186 | 5 | 1512.5 | 12 | 3448.5 | 6,7 | BO Receive (Partial) | 2021-1 |
| 1-03 11:52:02 | 2021-11-03 11:52:02 |
| 6 | 4 | 2 | 10640 | 5 | 500 | 12 | 1140 | 8 | Sample Success | 2021-1 |
| 1-03 11:52:15 | 2021-11-03 11:52:15 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

PES1UG21CS480> |

```

Return_list

```
PES1UG21CS480> CREATE TABLE `return_list` (
-> `id` int(30) NOT NULL,
-> `return_code` varchar(50) NOT NULL,
-> `supplier_id` int(30) NOT NULL,
-> `amount` float NOT NULL DEFAULT 0,
-> `remarks` text DEFAULT NULL,
-> `stock_ids` text NOT NULL,
-> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
-> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 2 warnings (0.03 sec)
```

```
PES1UG21CS480> desc return_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
return_code	varchar(50)	NO		NULL	
supplier_id	int	NO		NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> INSERT INTO `return_list` (`id`, `return_code`, `supplier_id`, `amount`, `remarks`, `stock_ids`, `date_created`, `date_updated`) VALUES
-> (1, 'R-0001', 2, 3025, 'Sample Issue', '16,17', '2021-11-03 13:45:53', '2021-11-03 13:45:53');
```

```
Query OK, 1 row affected (0.01 sec)
```

```
PES1UG21CS480> select * from return_list;
```

id	return_code	supplier_id	amount	remarks	stock_ids	date_created	date_updated
1	R-0001	2	3025	Sample Issue	16,17	2021-11-03 13:45:53	2021-11-03 13:45:53

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

```
PES1UG21CS480> |
```

Sales_list

```
PES1UG21CS480> CREATE TABLE `sales_list` (
  -> `id` int(30) NOT NULL,
  -> `sales_code` varchar(50) NOT NULL,
  -> `client` text DEFAULT NULL,
  -> `amount` float NOT NULL DEFAULT 0,
  -> `remarks` text DEFAULT NULL,
  -> `stock_ids` text NOT NULL,
  -> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
  -> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 1 warning (0.03 sec)
```

```
PES1UG21CS480> desc sales_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
sales_code	varchar(50)	NO		NULL	
client	text	YES		NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

8 rows in set (0.00 sec)

```
PES1UG21CS480> |
```

```
PES1UG21CS480> INSERT INTO `sales_list` (`id`, `sales_code`, `client`, `amount`, `remarks`, `stock_ids`, `date_created`, `date_updated`) VALUES
  -> (1, 'SALE-0001', 'John Smith', 7625, 'Sample Remarks', '24,25,26', '2021-11-03 14:03:30', '2021-11-03 14:08:27');
Query OK, 1 row affected (0.01 sec)
```

```
PES1UG21CS480> select * from sales_list;
```

id	sales_code	client	amount	remarks	stock_ids	date_created	date_updated
1	SALE-0001	John Smith	7625	Sample Remarks	24,25,26	2021-11-03 14:03:30	2021-11-03 14:08:27

1 row in set (0.00 sec)

```
PES1UG21CS480> |
```

Stock_list

```
PES1UG21CS480> CREATE TABLE `stock_list` (
->   `id` int(30) NOT NULL,
->   `item_id` int(30) NOT NULL,
->   `quantity` int(30) NOT NULL,
->   `unit` varchar(250) DEFAULT NULL,
->   `price` float NOT NULL DEFAULT 0,
->   `type` tinyint(1) NOT NULL DEFAULT 1 COMMENT '1=IN , 2=OUT',
->   `date_created` datetime NOT NULL DEFAULT current_timestamp(),
->   `total` float GENERATED ALWAYS AS (quantity * price) STORED,
->   PRIMARY KEY (`id`)
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 4 warnings (0.02 sec)
```

```
PES1UG21CS480> desc stock_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
item_id	int	NO		NULL	
quantity	int	NO		NULL	
unit	varchar(250)	YES		NULL	
price	float	NO		0	
type	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
total	float	YES		NULL	STORED GENERATED

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> INSERT INTO `stock_list` (`id`, `item_id`, `quantity`, `unit`, `price`, `type`, `date_created`) VALUES
-> (1, 1, 250, 'pcs', 150, 1, '2021-11-03 11:20:38'),
-> (2, 1, 125, 'pcs', 150, 1, '2021-11-03 11:20:51'),
-> (3, 1, 125, 'pcs', 150, 1, '2021-11-03 11:21:00'),
-> (4, 2, 150, 'Boxes', 200, 1, '2021-11-03 11:51:41'),
-> (5, 4, 150, 'pcs', 205, 1, '2021-11-03 11:51:41'),
-> (6, 2, 100, 'Boxes', 200, 1, '2021-11-03 11:52:02'),
-> (7, 4, 50, 'pcs', 205, 1, '2021-11-03 11:52:02'),
-> (8, 2, 50, 'Boxes', 200, 1, '2021-11-03 11:52:15'),
-> (16, 2, 10, 'pcs', 200, 2, '2021-11-03 13:45:53'),
-> (17, 4, 5, 'boxes', 205, 2, '2021-11-03 13:45:53'),
-> (24, 1, 10, 'pcs', 150, 2, '2021-11-03 14:08:27'),
-> (25, 2, 5, 'pcs', 200, 2, '2021-11-03 14:08:27'),
-> (26, 4, 25, 'boxes', 205, 2, '2021-11-03 14:08:27');
Query OK, 13 rows affected (0.00 sec)
Records: 13 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from stock_list;
```

id	item_id	quantity	unit	price	type	date_created		total
1	1	250	pcs	150	1	2021-11-03	11:20:38	37500
2	1	125	pcs	150	1	2021-11-03	11:20:51	18750
3	1	125	pcs	150	1	2021-11-03	11:21:00	18750
4	2	150	Boxes	200	1	2021-11-03	11:51:41	30000
5	4	150	pcs	205	1	2021-11-03	11:51:41	30750
6	2	100	Boxes	200	1	2021-11-03	11:52:02	20000
7	4	50	pcs	205	1	2021-11-03	11:52:02	10250
8	2	50	Boxes	200	1	2021-11-03	11:52:15	10000
16	2	10	pcs	200	2	2021-11-03	13:45:53	2000
17	4	5	boxes	205	2	2021-11-03	13:45:53	1025
24	1	10	pcs	150	2	2021-11-03	14:08:27	1500
25	2	5	pcs	200	2	2021-11-03	14:08:27	1000
26	4	25	boxes	205	2	2021-11-03	14:08:27	5125

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

```
PES1UG21CS480> |
```

Supplier_list

```
PES1UG21CS480> CREATE TABLE `supplier_list` (
-> `id` int(30) NOT NULL,
-> `name` text NOT NULL,
-> `address` text NOT NULL,
-> `cperson` text NOT NULL,
-> `contact` text NOT NULL,
-> `status` tinyint(1) NOT NULL DEFAULT 1,
-> `date_created` datetime NOT NULL DEFAULT current_timestamp(),
-> `date_updated` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
-> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 2 warnings (0.02 sec)
```

```
PES1UG21CS480> desc supplier_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
name	text	NO		NULL	
address	text	NO		NULL	
cperson	text	NO		NULL	
contact	text	NO		NULL	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

```
8 rows in set (0.01 sec)
```

```
PES1UG21CS480> INSERT INTO `supplier_list` (`id`, `name`, `address`, `cperson`, `contact`, `status`, `date_created`, `date_updated`)
VALUES
-> (1, 'Supplier 101', 'Sample Supplier Address 101', 'Supplier Staff 101', '09123456789', 1, '2021-11-02 09:36:19', '2021-11-02
09:36:19'),
-> (2, 'Supplier 102', 'Sample Address 102', 'Supplier Staff 102', '0987654332', 1, '2021-11-02 09:36:54', '2021-11-02 09:36:54')
;
Query OK, 2 rows affected (0.01 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from supplier_list;
```

id	name	address	cperson	contact	status	date_created	date_updated
1	Supplier 101	Sample Supplier Address 101	Supplier Staff 101	09123456789	1	2021-11-02 09:36:19	2021-11-02 09:36:19
2	Supplier 102	Sample Address 102	Supplier Staff 102	0987654332	1	2021-11-02 09:36:54	2021-11-02 09:36:54

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

```
PES1UG21CS480>
```

System_info

```
PES1UG21CS480> CREATE TABLE `system_info` (
  ->   `id` int(30) NOT NULL,
  ->   `meta_field` text NOT NULL,
  ->   `meta_value` text NOT NULL
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 1 warning (0.03 sec)
```

```
PES1UG21CS480> desc system_info;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
meta_field	text	NO		NULL	
meta_value	text	NO		NULL	

3 rows in set (0.00 sec)

```
PES1UG21CS480> |
```

```
PES1UG21CS480> INSERT INTO `system_info` (`id`, `meta_field`, `meta_value`) VALUES
  -> (1, 'name', 'Stock Management System - PHP'),
  -> (6, 'short_name', 'SMS- PHP'),
  -> (11, 'logo', 'uploads/logo-1635816671.png'),
  -> (13, 'user_avatar', 'uploads/user_avatar.jpg'),
  -> (14, 'cover', 'uploads/cover-1635816671.png'),
  -> (15, 'content', 'Array');
```

```
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

```
PES1UG21CS480> select * from system_info;
```

id	meta_field	meta_value
1	name	Stock Management System - PHP
6	short_name	SMS- PHP
11	logo	uploads/logo-1635816671.png
13	user_avatar	uploads/user_avatar.jpg
14	cover	uploads/cover-1635816671.png
15	content	Array

6 rows in set (0.00 sec)

```
PES1UG21CS480> |
```

Users

```
PES1UG21CS480> CREATE TABLE `users` (
  -> `id` int(50) NOT NULL,
  -> `firstname` varchar(250) NOT NULL,
  -> `middlename` text DEFAULT NULL,
  -> `lastname` varchar(250) NOT NULL,
  -> `username` text NOT NULL,
  -> `password` text NOT NULL,
  -> `avatar` text DEFAULT NULL,
  -> `last_login` datetime DEFAULT NULL,
  -> `type` tinyint(1) NOT NULL DEFAULT 0,
  -> `date_added` datetime NOT NULL DEFAULT current_timestamp(),
  -> `date_updated` datetime DEFAULT NULL ON UPDATE current_timestamp()
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 2 warnings (0.03 sec)
```

```
PES1UG21CS480> desc users;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
firstname	varchar(250)	NO		NULL	
middlename	text	YES		NULL	
lastname	varchar(250)	NO		NULL	
username	text	NO		NULL	
password	text	NO		NULL	
avatar	text	YES		NULL	
last_login	datetime	YES		NULL	
type	tinyint(1)	NO		0	
date_added	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	YES		NULL	on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> INSERT INTO `users` (`id`, `firstname`, `middlename`, `lastname`, `username`, `password`, `avatar`, `last_login`, `type`, `date_added`, `date_updated`) VALUES
  -> (1, 'Administrator', NULL, 'Admin', 'admin', '0192023a7bbd73250516f069df18b500', 'uploads/avatar-1.png?v=1635556826', NULL, 1,
  -> '2021-01-20 14:02:37', '2021-10-30 09:20:26'),
  -> (10, 'John', NULL, 'Smith', 'jsmith', '39ce7e2a8573b41ce73b5ba41617f8f7', 'uploads/avatar-10.png?v=1635920488', NULL, 2, '2021-
  -> 11-03 14:21:28', '2021-11-03 14:21:28'),
  -> (11, 'Claire', NULL, 'Blake', 'cblake', 'cd74fae0a3adf459f73bbf187607ccea', 'uploads/avatar-11.png?v=1635920566', NULL, 1, '20
  -> 21-11-03 14:22:46', '2021-11-03 14:22:46');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> select * from users;
```

id	firstname	middlename	lastname	username	password	avatar	last_login	type	date_added	date_updated
1	Administrator	NULL	Admin	admin	0192023a7bbd73250516f069df18b500	uploads/avatar-1.png?v=1635556826	NULL	1	2021-01-20 14:02:37	2021-10-30 09:20:26
10	John	NULL	Smith	jsmith	39ce7e2a8573b41ce73b5ba41617f8f7	uploads/avatar-10.png?v=1635920488	NULL	2	2021-11-03 14:21:28	2021-11-03 14:21:28
11	Claire	NULL	Blake	cblake	cd74fae0a3adf459f73bbf187607ccea	uploads/avatar-11.png?v=1635920566	NULL	1	2021-11-03 14:22:46	2021-11-03 14:22:46

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

```
PES1UG21CS480>
```



```
PES1UG21CS480> ALTER TABLE `back_order_list`
-> ADD PRIMARY KEY (`id`),
-> ADD KEY `supplier_id` (`supplier_id`),
-> ADD KEY `po_id` (`po_id`),
-> ADD KEY `receiving_id` (`receiving_id`);
Query OK, 0 rows affected (0.11 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc back_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
receiving_id	int	NO	MUL	NULL	
po_id	int	NO	MUL	NULL	
bo_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	YES		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> ALTER TABLE `bo_items`
-> ADD KEY `item_id` (`item_id`),
-> ADD KEY `bo_id` (`bo_id`);
```

```
Query OK, 0 rows affected (0.06 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc bo_items;
```

Field	Type	Null	Key	Default	Extra
bo_id	int	NO	MUL	NULL	
item_id	int	NO	MUL	NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `item_list`
-> ADD PRIMARY KEY (`id`),
-> ADD KEY `supplier_id` (`supplier_id`);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc item_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
name	text	NO		NULL	
description	text	NO		NULL	
supplier_id	int	NO	MUL	NULL	
cost	float	NO		0	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `po_items`
-> ADD KEY `po_id` (`po_id`),
-> ADD KEY `item_id` (`item_id`);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc po_items;
```

Field	Type	Null	Key	Default	Extra
po_id	int	NO	MUL	NULL	
item_id	int	NO	MUL	NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `purchase_order_list`
-> ADD PRIMARY KEY (`id`),
-> ADD KEY `supplier_id` (`supplier_id`);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc purchase_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
po_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	NO		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `receiving_list`
-> ADD PRIMARY KEY (`id`);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc receiving_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
from_id	int	NO		NULL	
from_order	tinyint(1)	NO		1	
amount	float	NO		0	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
stock_ids	text	YES		NULL	
remarks	text	YES		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `return_list`
-> ADD PRIMARY KEY (`id`),
-> ADD KEY `supplier_id` (`supplier_id`);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc return_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
return_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `sales_list`
-> ADD PRIMARY KEY (`id`);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc sales_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
sales_code	varchar(50)	NO		NULL	
client	text	YES		NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `stock_list`
-> ADD PRIMARY KEY (`id`),
-> ADD KEY `item_id` (`item_id`);
ERROR 1068 (42000): Multiple primary key defined
PES1UG21CS480> desc stock_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
item_id	int	NO		NULL	
quantity	int	NO		NULL	
unit	varchar(250)	YES		NULL	
price	float	NO		0	
type	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
total	float	YES		NULL	STORED GENERATED

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `supplier_list`
-> ADD PRIMARY KEY (`id`);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc supplier_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
name	text	NO		NULL	
address	text	NO		NULL	
cperson	text	NO		NULL	
contact	text	NO		NULL	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `system_info`
```

```
    ->  ADD PRIMARY KEY (`id`);
```

```
Query OK, 0 rows affected (0.05 sec)
```

```
Records: 0  Duplicates: 0  Warnings: 0
```

```
PES1UG21CS480> desc system_info;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
meta_field	text	NO		NULL	
meta_value	text	NO		NULL	

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

```
PES1UG21CS480>
```

```
PES1UG21CS480> ALTER TABLE `users`
-> ADD PRIMARY KEY (`id`);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc users;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
firstname	varchar(250)	NO		NULL	
middlename	text	YES		NULL	
lastname	varchar(250)	NO		NULL	
username	text	NO		NULL	
password	text	NO		NULL	
avatar	text	YES		NULL	
last_login	datetime	YES		NULL	
type	tinyint(1)	NO		0	
date_added	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	YES		NULL	on update CURRENT_TIMESTAMP

11 rows in set (0.00 sec)

```
PES1UG21CS480> ALTER TABLE `user_meta`
-> ADD KEY `user_id` (`user_id`);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480>
```

```
PES1UG21CS480> desc user_meta;
```

Field	Type	Null	Key	Default	Extra
user_id	int	NO	MUL	NULL	
meta_field	text	NO		NULL	
meta_value	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED

4 rows in set (0.00 sec)

```
PES1UG21CS480> ALTER TABLE `back_order_list`
-> MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
Query OK, 4 rows affected, 1 warning (0.06 sec)
Records: 4 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc back_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
receiving_id	int	NO	MUL	NULL	
po_id	int	NO	MUL	NULL	
bo_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	YES		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

14 rows in set (0.00 sec)

```
PES1UG21CS480> ALTER TABLE `item_list`
-> MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;
Query OK, 4 rows affected, 1 warning (0.06 sec)
Records: 4 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc item_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	text	NO		NULL	
description	text	NO		NULL	
supplier_id	int	NO	MUL	NULL	
cost	float	NO		0	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

8 rows in set (0.00 sec)


```
PES1UG21CS480> ALTER TABLE 'purchase_order_list'
-> MODIFY 'id' int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
Query OK, 2 rows affected, 1 warning (0.06 sec)
Records: 2 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc purchase_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
po_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	NO		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

12 rows in set (0.00 sec)

```
PES1UG21CS480> ALTER TABLE 'receiving_list'
-> MODIFY 'id' int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
Query OK, 6 rows affected, 1 warning (0.05 sec)
Records: 6 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc receiving_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
from_id	int	NO		NULL	
from_order	tinyint(1)	NO		1	
amount	float	NO		0	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
stock_ids	text	YES		NULL	
remarks	text	YES		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

12 rows in set (0.00 sec)

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE 'return_list'
-> MODIFY 'id' int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
Query OK, 1 row affected, 1 warning (0.04 sec)
Records: 1 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc return_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
return_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

8 rows in set (0.00 sec)

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `sales_list`
-> MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
Query OK, 1 row affected, 1 warning (0.04 sec)
Records: 1 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc sales_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
sales_code	varchar(50)	NO		NULL	
client	text	YES		NULL	
amount	float	NO		0	
remarks	text	YES		NULL	
stock_ids	text	NO		NULL	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `stock_list`
-> MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=27;
Query OK, 13 rows affected, 1 warning (0.04 sec)
Records: 13 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc stock_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
item_id	int	NO		NULL	
quantity	int	NO		NULL	
unit	varchar(250)	YES		NULL	
price	float	NO		0	
type	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
total	float	YES		NULL	STORED GENERATED

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `supplier_list`
-> MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
Query OK, 2 rows affected, 1 warning (0.04 sec)
Records: 2 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc supplier_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	text	NO		NULL	
address	text	NO		NULL	
cperson	text	NO		NULL	
contact	text	NO		NULL	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `system_info`
->  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=16;
Query OK, 6 rows affected, 1 warning (0.04 sec)
Records: 6 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc system_info;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
meta_field	text	NO		NULL	
meta_value	text	NO		NULL	

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `users`
->  MODIFY `id` int(50) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12;
Query OK, 3 rows affected, 1 warning (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 1
```

```
PES1UG21CS480> desc users;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
firstname	varchar(250)	NO		NULL	
middlename	text	YES		NULL	
lastname	varchar(250)	NO		NULL	
username	text	NO		NULL	
password	text	NO		NULL	
avatar	text	YES		NULL	
last_login	datetime	YES		NULL	
type	tinyint(1)	NO		0	
date_added	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	YES		NULL	on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `back_order_list`
-> ADD CONSTRAINT `back_order_list_ibfk_1` FOREIGN KEY (`supplier_id`) REFERENCES `supplier_list` (`id`) ON DELETE CASCADE,
-> ADD CONSTRAINT `back_order_list_ibfk_2` FOREIGN KEY (`po_id`) REFERENCES `purchase_order_list` (`id`) ON DELETE CASCADE,
-> ADD CONSTRAINT `back_order_list_ibfk_3` FOREIGN KEY (`receiving_id`) REFERENCES `receiving_list` (`id`) ON DELETE CASCADE;
Query OK, 4 rows affected (0.07 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc back_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
receiving_id	int	NO	MUL	NULL	
po_id	int	NO	MUL	NULL	
bo_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	YES		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> ALTER TABLE `bo_items`
-> ADD CONSTRAINT `bo_items_ibfk_1` FOREIGN KEY (`item_id`) REFERENCES `item_list` (`id`) ON DELETE CASCADE,
-> ADD CONSTRAINT `bo_items_ibfk_2` FOREIGN KEY (`bo_id`) REFERENCES `back_order_list` (`id`) ON DELETE CASCADE;
Query OK, 5 rows affected (0.07 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc bo_items;
```

Field	Type	Null	Key	Default	Extra
bo_id	int	NO	MUL	NULL	
item_id	int	NO	MUL	NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

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

```
PES1UG21CS480>
```

```
PES1UG21CS480> ALTER TABLE `item_list`
-> ADD CONSTRAINT `item_list_ibfk_1` FOREIGN KEY (`supplier_id`) REFERENCES `supplier_list` (`id`) ON DELETE CASCADE;
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc item_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	text	NO		NULL	
description	text	NO		NULL	
supplier_id	int	NO	MUL	NULL	
cost	float	NO		0	
status	tinyint(1)	NO		1	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `po_items`
-> ADD CONSTRAINT `po_items_ibfk_1` FOREIGN KEY (`po_id`) REFERENCES `purchase_order_list` (`id`) ON DELETE CASCADE,
-> ADD CONSTRAINT `po_items_ibfk_2` FOREIGN KEY (`item_id`) REFERENCES `item_list` (`id`) ON DELETE CASCADE;
Query OK, 3 rows affected (0.06 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc po_items;
```

Field	Type	Null	Key	Default	Extra
po_id	int	NO	MUL	NULL	
item_id	int	NO	MUL	NULL	
quantity	int	NO		NULL	
price	float	NO		0	
unit	varchar(50)	NO		NULL	
total	float	NO		0	

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `purchase_order_list`
-> ADD CONSTRAINT `purchase_order_list_ibfk_1` FOREIGN KEY (`supplier_id`) REFERENCES `supplier_list` (`id`) ON DELETE CASCADE;
Query OK, 2 rows affected (0.06 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
PES1UG21CS480> desc purchase_order_list;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
po_code	varchar(50)	NO		NULL	
supplier_id	int	NO	MUL	NULL	
amount	float	NO		NULL	
discount_perc	float	NO		0	
discount	float	NO		0	
tax_perc	float	NO		0	
tax	float	NO		0	
remarks	text	NO		NULL	
status	tinyint	NO		0	
date_created	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED
date_updated	datetime	NO		CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT_TIMESTAMP

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

```
PES1UG21CS480> |
```

```
PES1UG21CS480> ALTER TABLE `return_list`
-> ADD CONSTRAINT `return_list_ibfk_1` FOREIGN KEY (`supplier_id`) REFERENCES `supplier_list` (`id`) ON DELETE CASCADE;
Query OK, 1 row affected (0.06 sec)
Records: 1 Duplicates: 0 Warnings: 0

PES1UG21CS480> desc return_list;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | PRI | NULL | auto_increment |
| return_code | varchar(50) | NO | | NULL | |
| supplier_id | int | NO | MUL | NULL | |
| amount | float | NO | | 0 | |
| remarks | text | YES | | NULL | |
| stock_ids | text | NO | | NULL | |
| date_created | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| date_updated | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED on update CURRENT_TIMESTAMP |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

PES1UG21CS480>
```

```
PES1UG21CS480> ALTER TABLE `stock_list`
-> ADD CONSTRAINT `stock_list_ibfk_1` FOREIGN KEY (`item_id`) REFERENCES `item_list` (`id`) ON DELETE CASCADE;
Query OK, 13 rows affected (0.05 sec)
Records: 13 Duplicates: 0 Warnings: 0

PES1UG21CS480> desc stock_list;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | int | NO | PRI | NULL | auto_increment |
| item_id | int | NO | MUL | NULL | |
| quantity | int | NO | | NULL | |
| unit | varchar(250) | YES | | NULL | |
| price | float | NO | | 0 | |
| type | tinyint(1) | NO | | 1 | |
| date_created | datetime | NO | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| total | float | YES | | NULL | STORED GENERATED |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

PES1UG21CS480>
```

```
mysql> DELIMITER //
mysql>
mysql> CREATE TRIGGER update_purchase_order_list_date
-> BEFORE UPDATE ON purchase_order_list
-> FOR EACH ROW
-> BEGIN
-> SET NEW.date_updated = current_timestamp();
-> END;
->
-> //
Query OK, 0 rows affected (0.04 sec)

mysql>
mysql> DELIMITER ;
mysql>
```

```

mysql> DELIMITER //
mysql> CREATE PROCEDURE GetBackOrderDetails(IN boID INT)
-> BEGIN
->     DECLARE totalAmount FLOAT;
->     DECLARE totalItems FLOAT;
->     SELECT SUM(amount) INTO totalAmount FROM back_order_list WHERE id = boID;
->     DECLARE item_id INT;
->     DECLARE item_quantity INT;
->     DECLARE item_price FLOAT;
->     DECLARE item_unit VARCHAR(50);
->     DECLARE item_total FLOAT;
->     DECLARE totalCost FLOAT DEFAULT 0;
->     DECLARE totalQuantity INT DEFAULT 0;
->     DECLARE cur_bo_items CURSOR FOR
->         SELECT item_id, quantity, price, unit, total
->         FROM bo_items
->         WHERE bo_id = boID;
->     OPEN cur_bo_items;
->     read_loop: LOOP
->         FETCH cur_bo_items INTO item_id, item_quantity, item_price, item_unit, item_total;
->         IF FETCH_STATUS() <> 0 THEN
->             LEAVE read_loop;
->         END IF;
->         SET totalCost = totalCost + item_total;
->         SET totalQuantity = totalQuantity + item_quantity;
->     END LOOP;
->     CLOSE cur_bo_items;
->     SELECT totalAmount AS back_order_amount, totalCost AS total_item_cost, totalQuantity AS total_item_quantity;
-> END;
-> DELIMITER ;

```

```

mysql> DELIMITER //
mysql>
mysql> CREATE PROCEDURE GetBackOrderDetails(IN boID INT)
-> BEGIN
->     DECLARE totalAmount FLOAT;
->     DECLARE totalItems FLOAT;
->     DECLARE item_id INT;
->     DECLARE item_quantity INT;
->     DECLARE item_price FLOAT;
->     DECLARE item_unit VARCHAR(50);
->     DECLARE item_total FLOAT;
->     DECLARE totalCost FLOAT DEFAULT 0;
->     DECLARE totalQuantity INT DEFAULT 0;
->
->
->     DECLARE done INT DEFAULT 0;
->     DECLARE cur_bo_items CURSOR FOR
->         SELECT item_id, quantity, price, unit, total
->         FROM bo_items
->         WHERE bo_id = boID;
->
->
->     DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;
->
->     SELECT SUM(amount) INTO totalAmount FROM back_order_list WHERE id = boID;
->
->
->     OPEN cur_bo_items;
->     read_loop: LOOP
->         FETCH cur_bo_items INTO item_id, item_quantity, item_price, item_unit, item_total;
->         IF done THEN
->             LEAVE read_loop;
->         END IF;
->
->         SET totalCost = totalCost + item_total;
->         SET totalQuantity = totalQuantity + item_quantity;
->     END LOOP;
->     CLOSE cur_bo_items;
->
->     SELECT totalAmount AS back_order_amount, totalCost AS total_item_cost, totalQuantity AS total_item_quantity;
-> END;
->
-> //
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> DELIMITER ;
mysql>

```

Query OK, 0 rows affected (0.01 sec)

```
mysql> SELECT bo.*, bi.*, sl.name AS supplier_name
-> FROM back_order_list bo
-> JOIN bo_items bi ON bo.id = bi.bo_id
-> JOIN supplier_list sl ON bo.supplier_id = sl.id
-> WHERE bo.id = 1;
```

id	receiving_id	po_id	bo_code	supplier_id	amount	discount_perc	discount	tax_perc	tax	remarks	status	date_created
	date_updated		bo_id	item_id	quantity	price	unit	total	supplier_name			
1	1	1	BO-0001	1	40740	3	1125	12	4365	NULL	1	2021-11-03 11:20:38
2021-11-03 11:20:51	2021-11-03 11:20:51		1	1	250	150	pcs	37500	Supplier 101			

1 row in set (0.04 sec)

```
mysql>
```

```
mysql> SELECT bo.*, bi.*, sl.name AS supplier_name
-> FROM back_order_list bo
-> JOIN bo_items bi ON bo.id = bi.bo_id
-> JOIN supplier_list sl ON bo.supplier_id = sl.id
-> WHERE bo.id = 1;
```

[illegible]

```
mysql> SELECT po.*, poi.*, sl.name AS supplier_name
-> FROM purchase_order_list po
-> JOIN po_items poi ON po.id = poi.po_id
-> JOIN supplier_list sl ON po.supplier_id = sl.id
-> WHERE po.id = 1;
```

```
| id | po_code | supplier_id | amount | discount_perc | discount | tax_perc | tax | remarks | status | date_created          | date_up  
dated      | po_id | item_id | quantity | price | unit | total | supplier_name |  
  
| 1 | PO-0001 |        1 | 81480 |         3 |    2250 |       12 | 8730 | Sample   |     2 | 2021-11-03 11:20:22 | 2021-11-03 11:21:00 |  
            |      1 |      1 |    500 |    150 | pcs | 75000 | Supplier_101 |  
  
1 row in set (0.01 sec)
```

```
mysql>
```



```
mysql> SELECT bo.*, bi.*, sl.name AS supplier_name
-> FROM back_order_list bo
-> JOIN bi_items bi ON bo.id = bi.bo_id
-> JOIN supplier_list sl ON bo.supplier_id = sl.id
-> WHERE bo.id = 1;
```

id	receiving_id	po_id	bo_code	supplier_id	amount	discount_perc	discount	tax_perc	tax	remarks	status	date_created	date_updated	bo_id	item_id	quantity	price	unit	total	supplier_name
1	1	1	BO-0001	1	48790	3	1125	12	4365	NULL	1	2021-11-03 11:20:38	2021-11-03 11:20:51	1	1	250	150	pcs	37500	Supplier 101

1 row in set (0.04 sec)

```
mysql> SELECT po.*, poi.*, sl.name AS supplier_name
-> FROM purchase_order_list po
-> JOIN po_items poi ON po.id = poi.po_id
-> JOIN supplier_list sl ON po.supplier_id = sl.id
-> WHERE po.id = 1;
```

id	po_code	supplier_id	amount	discount_perc	discount	tax_perc	tax	remarks	status	date_created	date_updated	po_id	item_id	quantity	price	unit	total	supplier_name
1	PO-0001	1	81480	3	2250	12	4730	Sample	2	2021-11-03 11:20:22	2021-11-03 11:21:00	1	1	500	150	pcs	75000	Supplier 101

1 row in set (0.01 sec)

```
mysql>
```