

```
CREATE TABLE `client` (  
  `client_id` int NOT NULL AUTO_INCREMENT,  
  `client_name` varchar(255) NOT NULL,  
  PRIMARY KEY (`client_id`)  
);
```

```
CREATE TABLE `plans` (  
  `plan_id` int NOT NULL AUTO_INCREMENT,  
  `plan_name` varchar(255) NOT NULL,  
  `user_no` int NOT NULL,  
  `duration` int NOT NULL,  
  `price` float NOT NULL,  
  PRIMARY KEY (`plan_id`)  
);
```

```
CREATE TABLE `company` (  
  `company_id` int NOT NULL AUTO_INCREMENT,  
  `company_name` varchar(45) NOT NULL,  
  `person_name` varchar(45) NOT NULL,  
  `contact_no` varchar(45) NOT NULL,  
  `email` varchar(45) NOT NULL,  
  `registration_date` date DEFAULT (curdate()),  
  `plan_id` int NOT NULL,  
  `payment_status` tinyint DEFAULT '0',  
  `plan_startdate` date DEFAULT NULL,  
  `plan_enddate` date DEFAULT NULL,  
  `admin_approval` tinyint NOT NULL DEFAULT '0',  
  `mode_of_transaction` varchar(45) DEFAULT 'Online',  
  PRIMARY KEY (`company_id`),  
  KEY `c1_idx` (`plan_id`),  
  CONSTRAINT `co1` FOREIGN KEY (`plan_id`) REFERENCES `plans` (`plan_id`)  
);
```

```
CREATE TABLE `product` (  
  `product_id` int NOT NULL AUTO_INCREMENT,  
  `product_name` varchar(45) NOT NULL,  
  `product_description` varchar(500) DEFAULT NULL,  
  `company_id` int NOT NULL,  
  PRIMARY KEY (`product_id`),  
  KEY `pr1_idx` (`company_id`),  
  CONSTRAINT `pr1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`)  
);
```

```
CREATE TABLE `orders` (  
  `order_id` int NOT NULL AUTO_INCREMENT,  
  `client_id` int NOT NULL,
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`company_id` int NOT NULL,
`product_id` int NOT NULL,
`product_qty` int NOT NULL,
`start_date` date DEFAULT (curdate()),
`end_date` date NOT NULL,
`dispatch_qty` int NOT NULL DEFAULT '0',
PRIMARY KEY (`order_id`),
KEY `o1_idx` (`company_id`),
KEY `o2_idx` (`client_id`),
KEY `o3_idx` (`product_id`),
CONSTRAINT `o1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`),
CONSTRAINT `o2` FOREIGN KEY (`client_id`) REFERENCES `client` (`client_id`),
CONSTRAINT `o3` FOREIGN KEY (`product_id`) REFERENCES `product` (`product_id`)
);

```

```

CREATE TABLE `parts` (
  `part_id` int NOT NULL AUTO_INCREMENT,
  `part_name` varchar(45) NOT NULL,
  `part_description` varchar(500) DEFAULT NULL,
  `product_id` int NOT NULL,
  PRIMARY KEY (`part_id`),
  KEY `p1_idx` (`product_id`),
  CONSTRAINT `p1` FOREIGN KEY (`product_id`) REFERENCES `product` (`product_id`)
);

```

```

CREATE TABLE `cpm` (
  `cpm_id` int NOT NULL AUTO_INCREMENT,
  `company_id` int NOT NULL,
  `product_id` int NOT NULL,
  `part_id` int NOT NULL,
  `store_ct` int NOT NULL,
  `production_ct` int NOT NULL,
  `vendor_ct` int NOT NULL,
  `assembly_ct` int NOT NULL,
  `dispatch_ct` int NOT NULL,
  PRIMARY KEY (`cpm_id`),
  KEY `c_idx` (`company_id`),
  KEY `c1_idx` (`product_id`),
  KEY `c2_idx` (`part_id`),
  CONSTRAINT `c` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`),
  CONSTRAINT `c1` FOREIGN KEY (`product_id`) REFERENCES `product` (`product_id`),
  CONSTRAINT `c2` FOREIGN KEY (`part_id`) REFERENCES `parts` (`part_id`)
);

```

```

CREATE TABLE `dispatch_status` (
  `dispatch_status_id` int NOT NULL AUTO_INCREMENT,
  `status_meaning` varchar(45) NOT NULL,

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PRIMARY KEY (`dispatch_status_id`)  
);
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```
CREATE TABLE `dispatch` (  
  `entry_no` int NOT NULL AUTO_INCREMENT,  
  `date` date DEFAULT (curdate()),  
  `order_id` int NOT NULL,  
  `product_id` int NOT NULL,  
  `received_product_qty` int NOT NULL,  
  `tageted_value` int NOT NULL,  
  `achieved` int DEFAULT NULL,  
  `dispatcher_name` varchar(45) NOT NULL,  
  `dispatch_status` int NOT NULL,  
  PRIMARY KEY (`entry_no`),  
  KEY `d_idx` (`order_id`),  
  KEY `d1_idx` (`product_id`),  
  KEY `d2_idx` (`dispatch_status`),  
  CONSTRAINT `d` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),  
  CONSTRAINT `d1` FOREIGN KEY (`product_id`) REFERENCES `product` (`product_id`),  
  CONSTRAINT `d2` FOREIGN KEY (`dispatch_status`) REFERENCES `dispatch_status`  
  (`dispatch_status_id`)  
);
```

```
CREATE TABLE `forward` (  
  `forward_id` int NOT NULL AUTO_INCREMENT,  
  `name` varchar(45) NOT NULL,  
  PRIMARY KEY (`forward_id`)  
);
```

```
CREATE TABLE `roles` (  
  `role_id` int NOT NULL AUTO_INCREMENT,  
  `name` varchar(255) NOT NULL,  
  PRIMARY KEY (`role_id`)  
);
```

```
CREATE TABLE `login` (  
  `login_id` int NOT NULL AUTO_INCREMENT,  
  `username` varchar(255) NOT NULL,  
  `password` varchar(255) NOT NULL,  
  `company_id` int NOT NULL,  
  `role_id` int NOT NULL,  
  `forgetpass_status` bit(1) DEFAULT NULL,  
  `setup_status` bit(1) DEFAULT NULL,  
  PRIMARY KEY (`login_id`),  
  KEY `l1_idx` (`company_id`),  
  KEY `l2_idx` (`role_id`),  
  CONSTRAINT `l1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`),
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CONSTRAINT `l2` FOREIGN KEY (`role_id`) REFERENCES `roles` (`role_id`)
);
```

```
CREATE TABLE `machines` (
  `machine_id` int NOT NULL AUTO_INCREMENT,
  `machine_name` varchar(45) NOT NULL,
  `machine_description` varchar(500) DEFAULT NULL,
  `company_id` int NOT NULL,
  PRIMARY KEY (`machine_id`),
  KEY `m1_idx` (`company_id`),
  CONSTRAINT `m1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`)
);
```

```
CREATE TABLE `master_vendor` (
  `master_vendor_id` int NOT NULL AUTO_INCREMENT,
  `master_vendor_name` varchar(45) NOT NULL,
  `master_vendor_part_name` varchar(45) NOT NULL,
  PRIMARY KEY (`master_vendor_id`)
);
```

```
INSERT INTO `plans` VALUES
(1,'Gold',5,270,5000),(2,'Silver',5,180,4000),(3,'Bronze',5,90,3000);
```

```
CREATE TABLE `raw_materials` (
  `raw_material_id` int NOT NULL AUTO_INCREMENT,
  `name` varchar(45) NOT NULL,
  `description` varchar(500) DEFAULT NULL,
  `part_id` int NOT NULL,
  PRIMARY KEY (`raw_material_id`),
  KEY `raw1_idx` (`part_id`),
  CONSTRAINT `raw1` FOREIGN KEY (`part_id`) REFERENCES `parts` (`part_id`)
);
```

```
CREATE TABLE `production_stock` (
  `entry_no` int NOT NULL AUTO_INCREMENT,
  `order_id` int NOT NULL,
  `raw_material_id` int NOT NULL,
  `received_qty` int NOT NULL,
  `date` date DEFAULT (curdate()) ,
  PRIMARY KEY (`entry_no`),
  KEY `ps1_idx` (`order_id`),
  KEY `ps2_idx` (`raw_material_id`),
  CONSTRAINT `pds1` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
  CONSTRAINT `pds2` FOREIGN KEY (`raw_material_id`) REFERENCES `raw_materials`
(`raw_material_id`)
);
```

```
CREATE TABLE `production` (
```

```

`p_entry_no` int NOT NULL AUTO_INCREMENT,
`order_id` int NOT NULL,
`p_date` date NOT NULL,
`target_value` int NOT NULL,
`achieve` int NOT NULL,
`current_qty` int NOT NULL,
`operator_name` varchar(200) NOT NULL,
`machine_id` int NOT NULL,
PRIMARY KEY (`p_entry_no`),
KEY `p1_idx` (`order_id`),
KEY `p3_idx` (`machine_id`),
CONSTRAINT `pd1` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
CONSTRAINT `pd3` FOREIGN KEY (`machine_id`) REFERENCES `machines` (`machine_id`)
);

```

```

CREATE TABLE `raw_material_stock` (
`rss_entry_no` int NOT NULL AUTO_INCREMENT,
`rss_date` date DEFAULT (curdate()),
`raw_material_id` int NOT NULL,
`raw_material_qty` int NOT NULL,
`final_raw_material_qty` int NOT NULL,
`company_id` int NOT NULL,
PRIMARY KEY (`rss_entry_no`),
KEY `s1_idx` (`company_id`),
KEY `s2_idx` (`raw_material_id`),
CONSTRAINT `s1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`),
CONSTRAINT `s2` FOREIGN KEY (`raw_material_id`) REFERENCES `raw_materials`
(`raw_material_id`)
);

```

```

CREATE TABLE `part_stock` (
`pss_entry_no` int NOT NULL AUTO_INCREMENT,
`pss_date` date DEFAULT (curdate()),
`part_id` int NOT NULL,
`part_qty` int NOT NULL,
`final_part_qty` int NOT NULL,
`company_id` int NOT NULL,
PRIMARY KEY (`pss_entry_no`),
KEY `ss1_idx` (`company_id`),
KEY `ss3_idx` (`part_id`),
CONSTRAINT `ss1` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`),
CONSTRAINT `ss3` FOREIGN KEY (`part_id`) REFERENCES `parts` (`part_id`)
);

```

```

CREATE TABLE `raw_material_stores` (
`rs_entry_no` int NOT NULL AUTO_INCREMENT,
`rs_date` date DEFAULT (curdate()),
`order_id` int NOT NULL ,
`raw_material_id` int NOT NULL,

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`raw_material_qty` int NOT NULL,
`forward_id` int NOT NULL,
PRIMARY KEY (`rs_entry_no`),
KEY `st_idx` (`order_id`),
KEY `st1_idx` (`raw_material_id`),
KEY `st3_idx` (`forward_id`),
CONSTRAINT `st` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
CONSTRAINT `st1` FOREIGN KEY (`raw_material_id`) REFERENCES `raw_materials`
(`raw_material_id`),
CONSTRAINT `st3` FOREIGN KEY (`forward_id`) REFERENCES `forward` (`forward_id`)
);

```

```

CREATE TABLE `part_stores` (
`ps_entry_no` int NOT NULL AUTO_INCREMENT,
`ps_date` date DEFAULT (curdate()),
`order_id` int NOT NULL,
`forward_id` int NOT NULL,
`part_id` int DEFAULT NULL,
`part_qty` int DEFAULT NULL,
PRIMARY KEY (`ps_entry_no`),
KEY `stp_idx` (`order_id`),
KEY `stp2_idx` (`part_id`),
KEY `stp3_idx` (`forward_id`),
CONSTRAINT `stp` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
CONSTRAINT `stp2` FOREIGN KEY (`part_id`) REFERENCES `parts` (`part_id`),
CONSTRAINT `stp3` FOREIGN KEY (`forward_id`) REFERENCES `forward` (`forward_id`)
);

```

```

CREATE TABLE `vendormap` (
`vendormap_id` int NOT NULL,
`vendor_id` int NOT NULL AUTO_INCREMENT,
`company_id` int NOT NULL,
PRIMARY KEY (`vendormap_id`),
KEY `v2_idx` (`company_id`),
CONSTRAINT `v1` FOREIGN KEY (`vendor_id`) REFERENCES `master_vendor`
(`master_vendor_id`),
CONSTRAINT `v2` FOREIGN KEY (`company_id`) REFERENCES `company` (`company_id`)
);

```

```

CREATE TABLE `assembly` (
`assembly_entry_no` int NOT NULL AUTO_INCREMENT,
`date` date NOT NULL,
`order_id` int NOT NULL,
`part_id` int NOT NULL,
`received_part_qty` int NOT NULL,
`targeted_value` int NOT NULL,
`achieve` int NOT NULL,
PRIMARY KEY (`assembly_entry_no`),
KEY `a1_idx` (`order_id`),
KEY `a2_idx` (`part_id`),

```

```
CONSTRAINT `a1` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),  
CONSTRAINT `a2` FOREIGN KEY (`part_id`) REFERENCES `parts` (`part_id`)  
);
```