Inconvenient Convenience Store

Milestone: IMPLEMENTATION IN MYSQL

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Percentage of Effort Contributed by Student1: 50%
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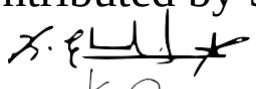
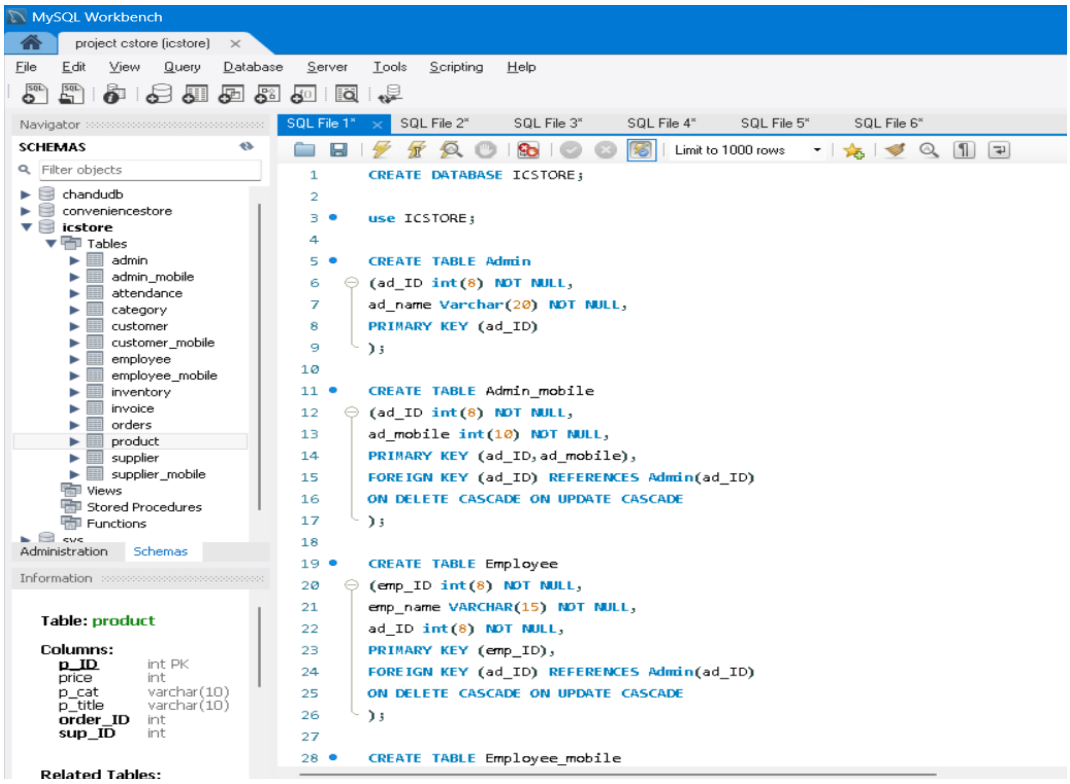
Signature of Student1: 
SignatureofStudent2: 
Submission Date: 11-05-2022

IMPLEMENTATION IN MYSQL

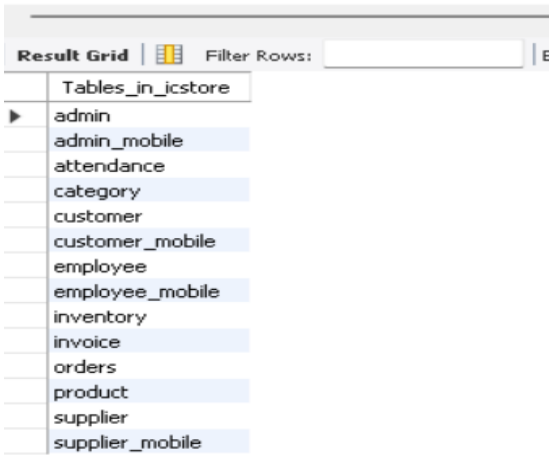
A new database for the project ***Inconvenient Convenience Store*** has been created.

All the required tables are created and shown as follows.

1) Overview of the whole database in MYSQL



2) Tables that are created.



3) Maximum order amount by a customer

```
228
229 •  SELECT  amount , order_ID, c_name FROM orders
230    WHERE amount>1000;
231
```

Result Grid | Filter Rows: | Edit: | Exp

amount	order_ID	c_name
1588	602	Syu jhong
NULL	NULL	NULL

4) The Maximum and Minimum amount of orders.

```
241 •  SELECT MAX(amount), MIN(amount) FROM Orders;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

MAX(amount)	MIN(amount)
1588	20

5) Prices of the products from low to high

```
228 •  SELECT p_ID, price, p_title FROM product
229    ORDER BY price asc;
230
```

Result Grid | Filter Rows: | Edit:

p_ID	price	p_title
84	29	bounty
81	30	Milk
82	67	suncreen
83	332	Marlboro
NULL	NULL	NULL

6) Employee Table

```
1  CREATE TABLE Employee
2  (emp_ID int(8) NOT NULL,
3  emp_name VARCHAR(15) NOT NULL,
4  ad_ID int(8) NOT NULL,
5  PRIMARY KEY (emp_ID),
6  FOREIGN KEY (ad_ID) REFERENCES Admin(ad_ID)
7  ON DELETE CASCADE ON UPDATE CASCADE
8  );
9
10 SELECT * FROM Employee;
```

Result Grid | Filter Rows: | Edit:

emp_ID	emp_name	ad_ID
4123	RAGHAV	11
4124	BHUSHAN	12
4125	FERONICA	12
4126	TRESCOTT	11
4127	CHANDU	11
NULL	NULL	NULL

7) Category Table

```
1  CREATE TABLE Category
2  (cat_ID int(8) NOT NULL,
3  cat_name VARCHAR(15) NOT NULL,
4  Inventory_ID int(8) NOT NULL,
5  PRIMARY KEY (cat_ID),
6  FOREIGN KEY (Inventory_ID) REFERENCES Inventory(Inventory_ID)
7  ON DELETE CASCADE ON UPDATE CASCADE
8  );
9
10 SELECT * FROM Category;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

cat_ID	cat_name	Inventory_ID
1001	DAIRY PRODUCTS	777
1002	COSMETICS	777
1003	TOILETRIES	777
1004	TOBACCO	777
1005	BEVERAGES	777
NULL	NULL	NULL

8) Products Table

```
1  CREATE TABLE Product
2  (p_ID int(8) NOT NULL,
3  price int(6) NOT NULL,
4  p_cat VARCHAR(10),
5  p_title VARCHAR(10)  NOT NULL,
6  order_ID int(8) NOT NULL,
7  sup_ID int(8) NOT NULL,
8  PRIMARY KEY (p_ID),
9  FOREIGN KEY (order_ID) REFERENCES Orders(order_ID)
10 ON DELETE CASCADE ON UPDATE CASCADE,
11 FOREIGN KEY (sup_ID) REFERENCES Supplier(sup_ID)
12 ON DELETE CASCADE ON UPDATE CASCADE
13 );
14
15 SELECT * FROM Product;
```

Result Grid

p_ID	price	p_cat	p_title	order_ID	sup_ID
81	30	dairy	Milk	601	34
82	67	cosmetics	suncreen	602	35
83	332	tobacco	Marlboro	603	36
84	29	toiletries	bounty	604	37
NULL	NULL	NULL	NULL	NULL	NULL

9) Invoice Table

```
1  CREATE TABLE Invoice
2  (Invoice_ID int(8) NOT NULL,
3  c_ID int(8) NOT NULL,
4  order_ID int(8) NOT NULL,
5  PRIMARY KEY (Invoice_ID),
6  FOREIGN KEY (order_ID) REFERENCES Orders(order_ID)
7  ON DELETE CASCADE ON UPDATE CASCADE
8  );
9
10 SELECT*FROM Invoice;
```

Result Grid

Invoice_ID	c_ID	order_ID
501	9119	601
502	9118	602
503	9117	603
504	9116	604
NULL	NULL	NULL

10) Supplier Dataset

```
INSERT INTO Supplier(sup_ID, sup_name) VALUES
(34, 'Gregeroi'),
(35, 'ramsay'),
(36, 'stuvert david'),
(37, 'thanmay'),
(38, 'visharadh');

INSERT INTO Supplier_mobile(sup_ID, sup_mobile) VALUES
(34, '677453998'),
(35, '554377250'),
(36, '667333251'),
(37, '997833621'),
(38, '773667892');
```

11) Customer Dataset

```
INSERT INTO Customer(c_ID,c_name,c_address, c_email) VALUES
(9119, 'Prerna','35,huntington ave, boston, MA', 'prerna26@gmail.com'),
(9118, 'Syu Jhong', '47 Saint , Dorchestor, MA', 'syu2232@gmail.com'),
(9117, 'Lakshmi', '88 Saint, tremont, MA', 'lakshmi21167@gmail.com'),
(9116, 'Chris', '66 saint, huntington ave, boston, MA', 'chrisjackdaniel@gmail.com');
```

12) Category table in Form Editor

```
228 • show create table category;
229
```

Form Editor | Navigate:

Table: category

Create Table:

```
CREATE TABLE `category` (
  `cat_ID` int NOT NULL,
  `cat_name` varchar(15) NOT NULL,
  `Inventory_ID` int NOT NULL,
  PRIMARY KEY (`cat_ID`),
  KEY `Inventory_ID` (`Inventory_ID`),
  CONSTRAINT `category_ibfk_1` FOREIGN KEY (`Inventory_ID`) REFERENCES `inventory` (`Inventory_ID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

13) Product table in Form Editor

```
239 •   SHOW CREATE TABLE PRODUCT;
240
```

Form Editor | Navigate:

Table: PRODUCT

Create Table:

```
CREATE TABLE `product` (
  `p_ID` int NOT NULL,
  `price` int NOT NULL,
  `p_cat` varchar(10) DEFAULT NULL,
  `p_title` varchar(10) NOT NULL,
  `order_ID` int NOT NULL,
  `sup_ID` int NOT NULL,
  PRIMARY KEY (`p_ID`),
  KEY `order_ID` (`order_ID`),
  KEY `sup_ID` (`sup_ID`),
  CONSTRAINT `product_ibfk_1` FOREIGN KEY (`order_ID`) REFERENCES `orders` (`order_ID`) ON DELETE CASCADE ON UPDATE CASCADE,
  CONSTRAINT `product_ibfk_2` FOREIGN KEY (`sup_ID`) REFERENCES `supplier` (`sup_ID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```