STYLE MART
Group_Number: 17

PRESENTED BY:

RAHIL SANGHAVI → 2020A7PS2052H
MOHIT AGARWAL → 2020A7PS0189H
HARSHIT VERMA → 2020A7PS0041H
SAMANDEEP SINGH → 2020A7PS0065H

PROJECT DESCRIPTION:

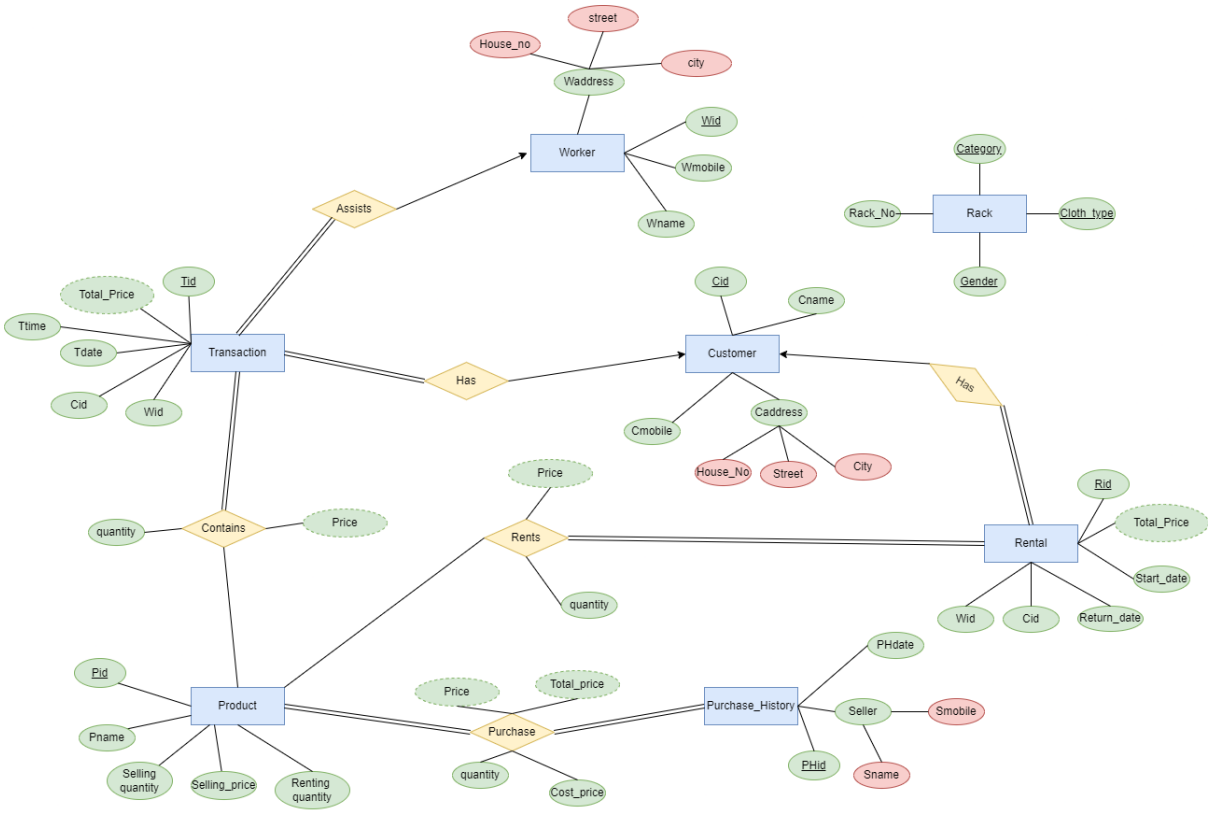
A versatile management system is one of the most important necessities of every business. Garment shops are not any exception to this. Hence, we have decided to make a clothes shop management system. It will have all the functionalities that are needed in the real-world, such as:

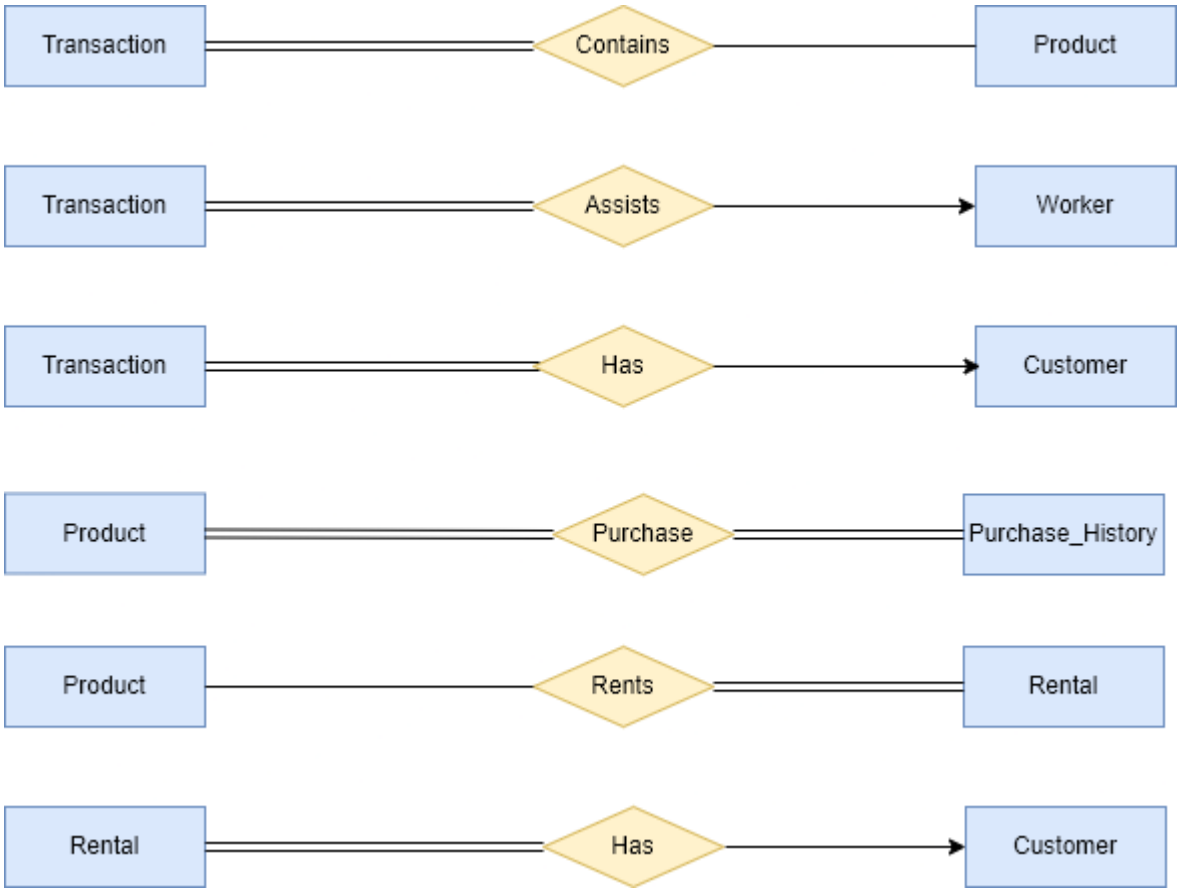
• The system user, who will be either the shop manager or shop worker, will be able to search desired outfit availability and the respective rack in the store, based on various attributes such as gender, size, brand, etc.

• They will be able to add new clothes to the stock or update the old inventory.

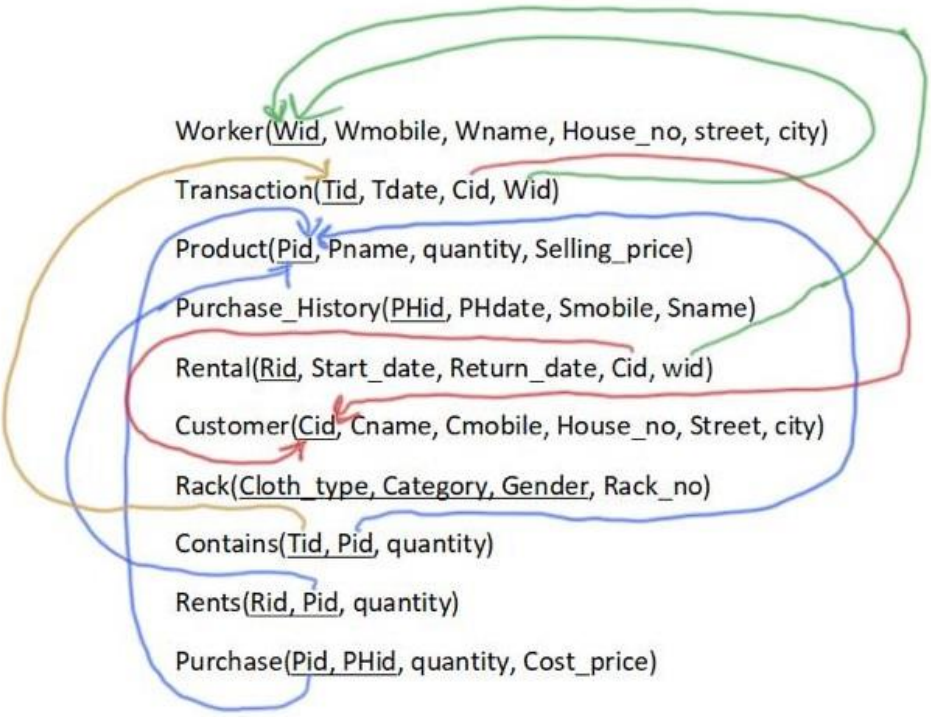
• Customers can rent outfits from the shop, and the management system will be designed to handle the same.

ENTITY RELATIONSHIP DIAGRAM:





RELATIONAL SCHEMA:



Minimum number of tables: 10

Functional dependencies for the above-mentioned tables are as follows:

1. Table: Worker
   Wid → Wmobile, Wname, House_no, street, city
   Primary key: Wid

2. Table: Transaction
   Tid → Tdate, Cid, Wid, Ttime
   Primary key: Tid

3. Table: Product
   Pid → Pname, quantity, Selling_price
   Primary key: Pid

4. Purchase_History
   PHid →PHdate, Smobile, Sname
   Primary key: PHid

5. Table: Rental
   Rid → Start_data, Return_date, Cid, Wid
   Primary key: Rid

6. Table: Customer
   Cid →Cname, Cmobile, House_no, Street, city
   Primary key: Cid

7. Table: Rack
   Cloth_type, Category, Gender →Rack_no
   Primary key: Cloth_type, Category, Gender

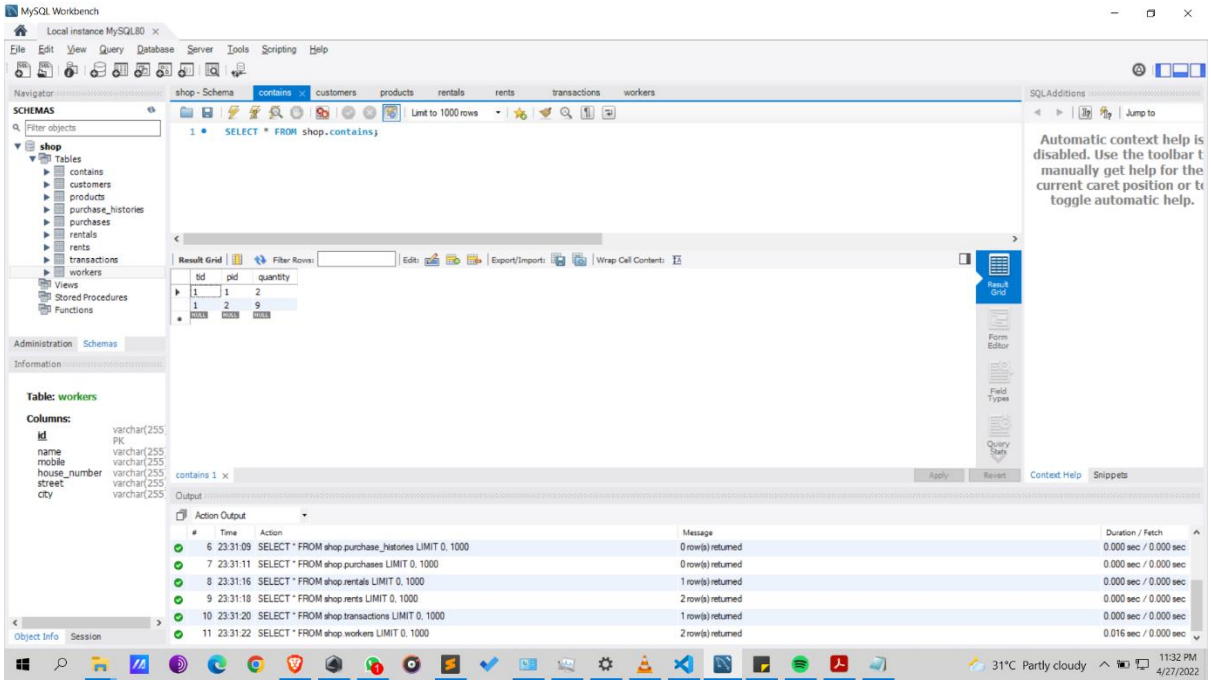
8. Table: Contains
   Tid, Pid →quantity
   Primary key: Tid, Pid

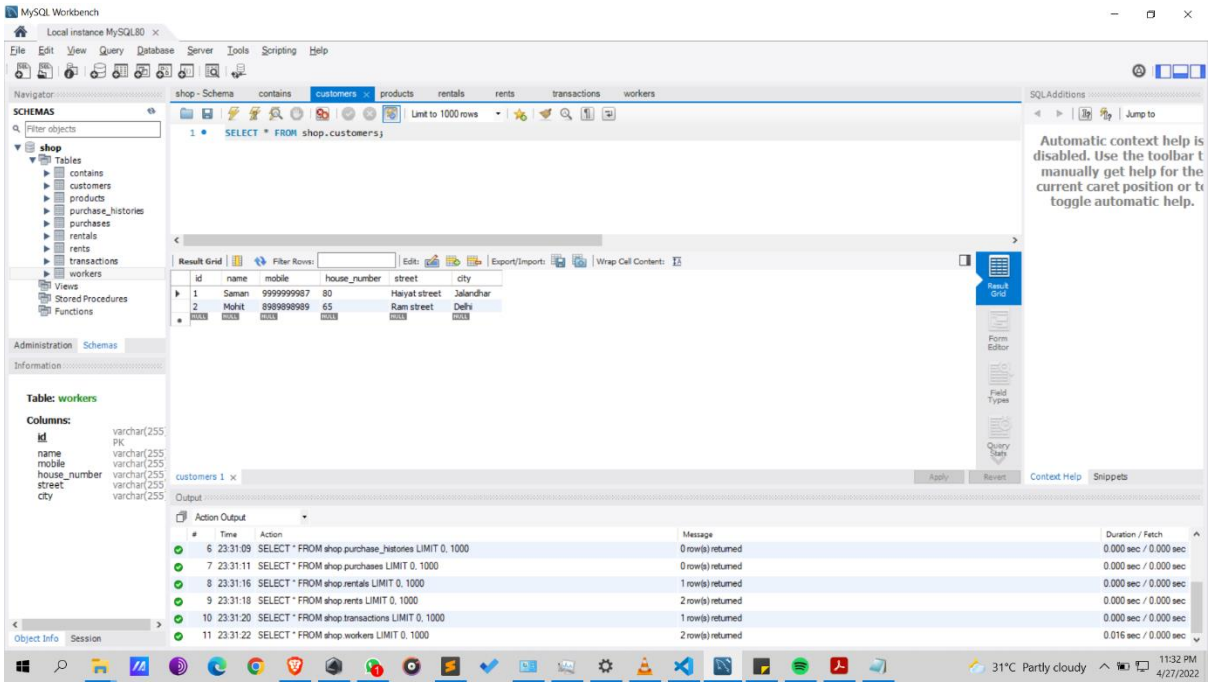
9. Table: Rents
   Rid, Pid →quantity
   Primary key: Rid, Pid

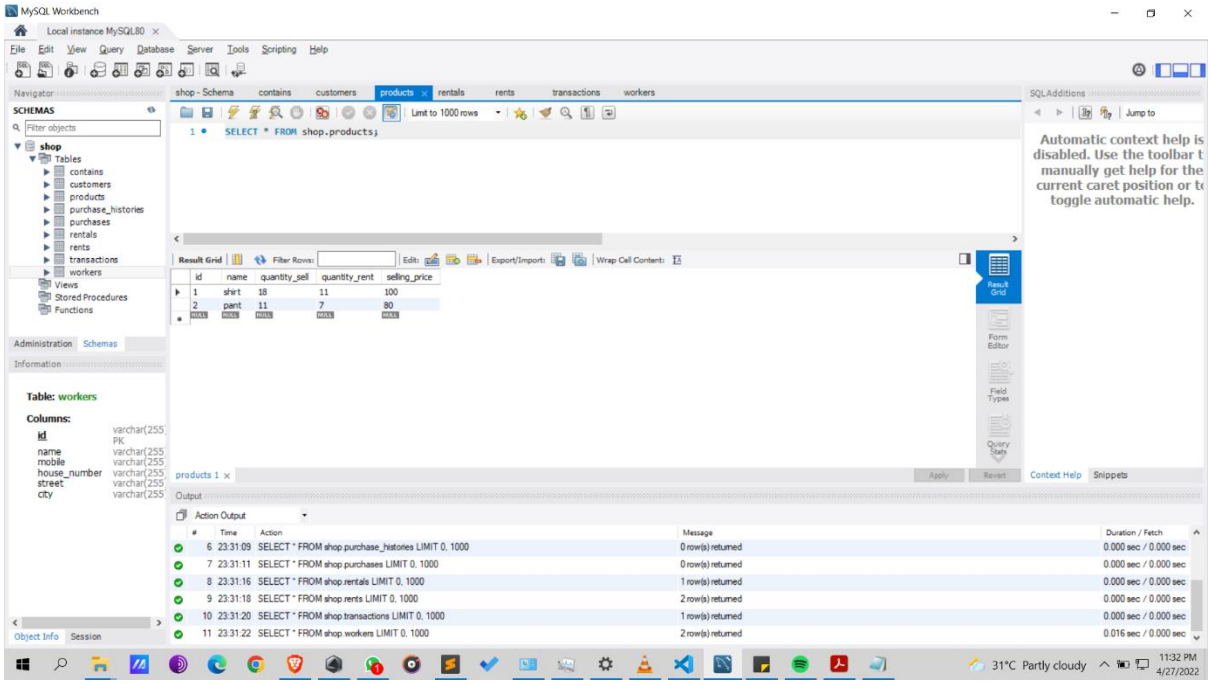
10. Table: Purchase
    Pid, PHid →quantity, Cost_price

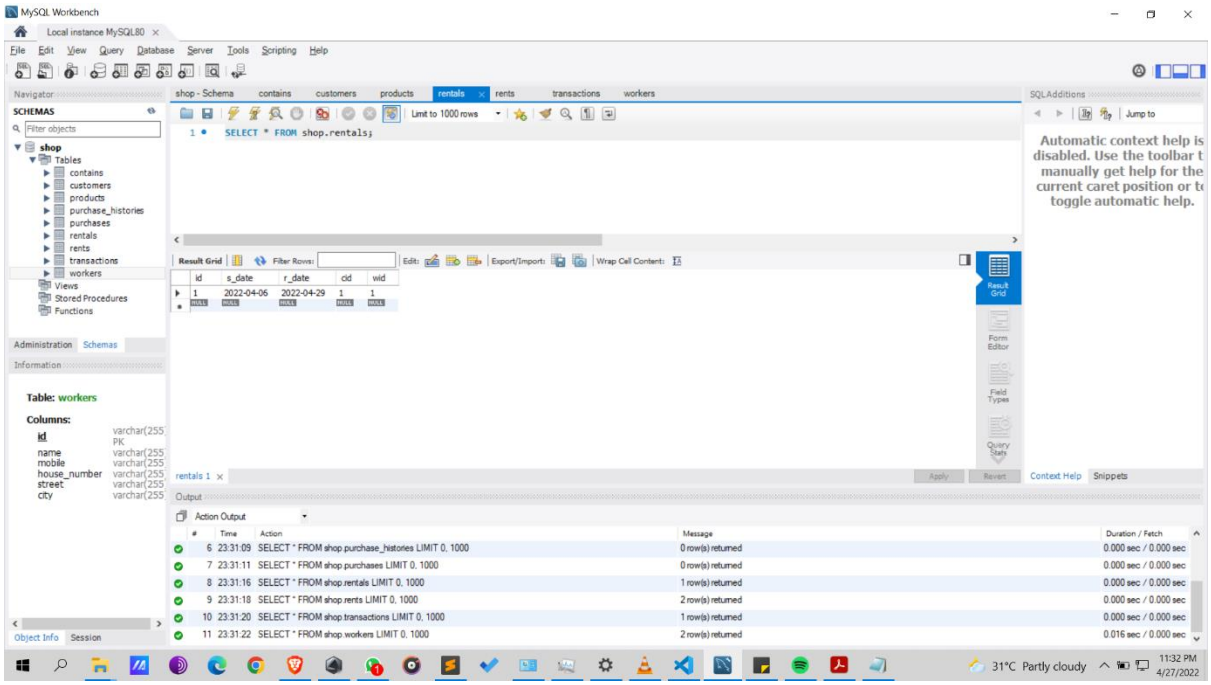
Since, in each table, each functional dependency has a super key on the left-hand side, each table is in BCNF.

SQL WORKBENCH SCREENSHOTS






MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
shop
Tables
contains
customers
products
purchase_histories
purchases
rentals
rents
transactions
workers
Views
Stored Procedures
Functions
Administration Schemas
Information
Table: workers
Columns:
id varchar(255 PK
name varchar(255
mobile varchar(255
house_number varchar(255
street varchar(255
city varchar(255
Object Info Session
shop - Schema contains customers products rentals rents transactions workers
Limit to 1000 rows
1 • SELECT * FROM shop.products;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
id name quantity_sell quantity_rent selling_price
1 shirt 18 11 100
2 pant 11 7 80
products 1
Output
Action Output
Time Action Message Duration / Fetch
6 23:31:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
7 23:31:11 SELECT * FROM shop.purchases LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
8 23:31:16 SELECT * FROM shop.rentals LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
9 23:31:18 SELECT * FROM shop.rents LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
10 23:31:20 SELECT * FROM shop.transactions LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
11 23:31:22 SELECT * FROM shop.workers LIMIT 0, 1000 2 row(s) returned 0.016 sec / 0.000 sec
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
31°C Partly cloudy
11:32 PM
4/27/2022


MySQL Workbench
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File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
shop
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Information
Table: workers
Columns:
id varchar(255 PK
name varchar(255
mobile varchar(255
house_number varchar(255
street varchar(255
city varchar(255
Object Info Session
shop - Schema contains customers products rentals rents transactions workers
Limit to 1000 rows
1 • SELECT * FROM shop.rentals;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
id s_date r_date cid wid
1 2022-04-06 2022-04-29 1 1
rentals 1
Output
Action Output
Time Action Message Duration / Fetch
6 23:31:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
7 23:31:11 SELECT * FROM shop.purchases LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
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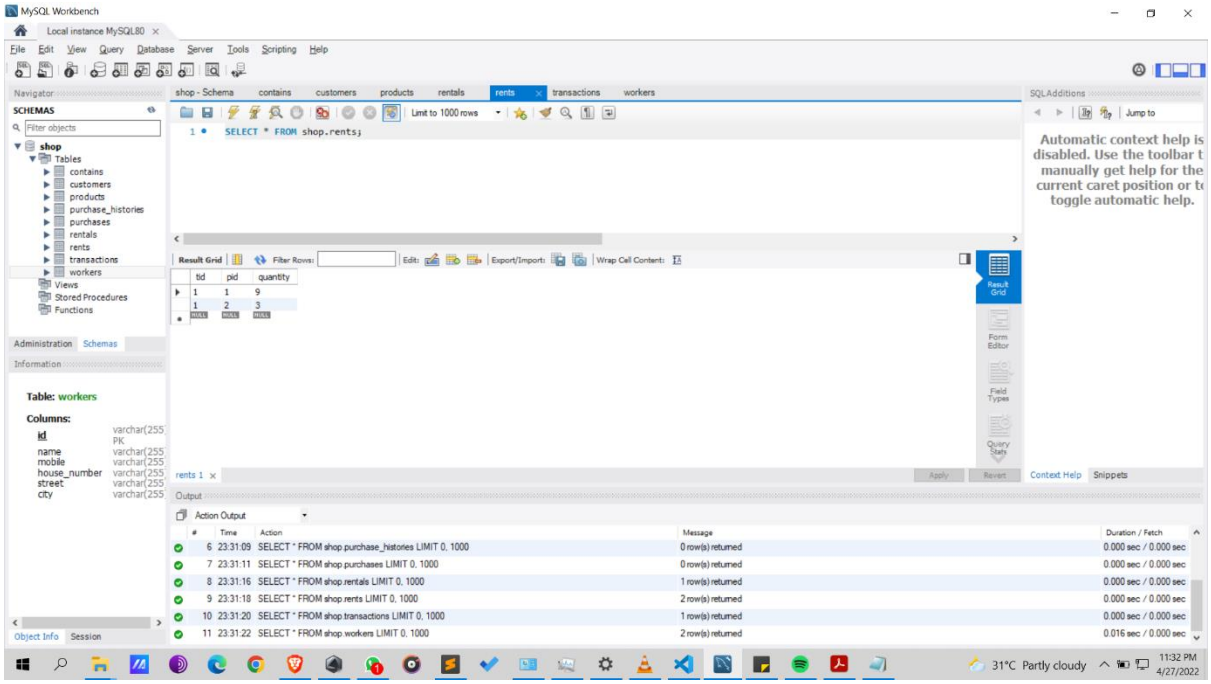
MySQL Workbench
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Navigator
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customers
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purchases
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transactions
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Views
Stored Procedures
Functions
Administration Schemas
Information
Table: workers
Columns:
id varchar(255 PK
name varchar(255
mobile varchar(255
house_number varchar(255
street varchar(255
city varchar(255
Object Info Session
shop - Schema contains customers products rentals rents transactions workers
1 • SELECT * FROM shop.rents;
Limit to 1000 rows
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
tid pid quantity
1 1 9
1 2 3
rents 1
Output
Action Output
Time Action Message Duration / Fetch
6 23:31:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
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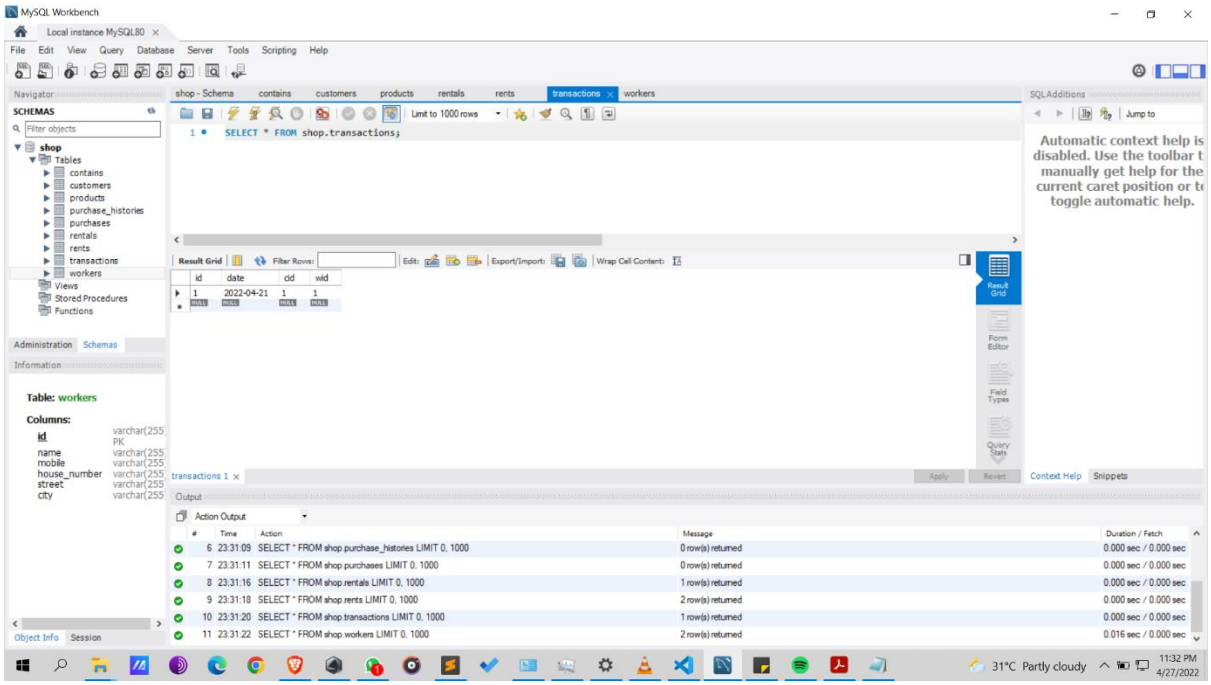
MySQL Workbench
Local instance MySQL80
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Navigator
SCHEMAS
shop
Tables
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customers
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purchases
rentals
rents
transactions
workers
Views
Stored Procedures
Functions
Administration Schemas
Information
Table: workers
Columns:
id varchar(255 PK
name varchar(255
mobile varchar(255
house_number varchar(255
street varchar(255
city varchar(255
Object Info Session
shop - Schema contains customers products rentals rents transactions workers
1 • SELECT * FROM shop.transactions;
Limit to 1000 rows
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
id date cid wid
1 2022-04-21 1 1
transactions 1
Output
Action Output
Time Action Message Duration / Fetch
6 23:31:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
7 23:31:11 SELECT * FROM shop.purchases LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
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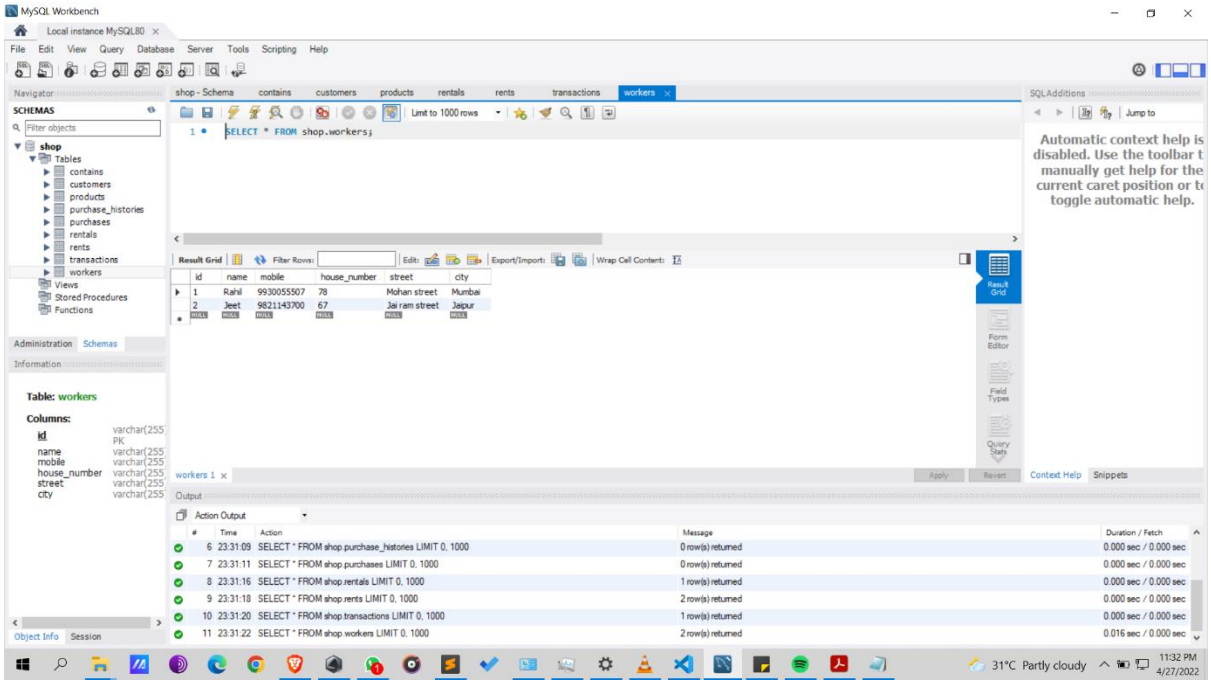
11:32 PM
4/27/2022


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
shop - Schema contains customers products rentals rents transactions workers
SELECT * FROM shop.workers;
Result Grid
id name mobile house_number street city
1 Rahil 9930055507 78 Mohan street Mumbai
2 Jeet 9821143700 67 Jai ram street Jaipur
Table: workers
Columns:
id varchar(255) PK
name varchar(255)
mobile varchar(255)
house_number varchar(255)
street varchar(255)
city varchar(255)
Output
Action Output
Time Action Message Duration / Fetch
6 23:31:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
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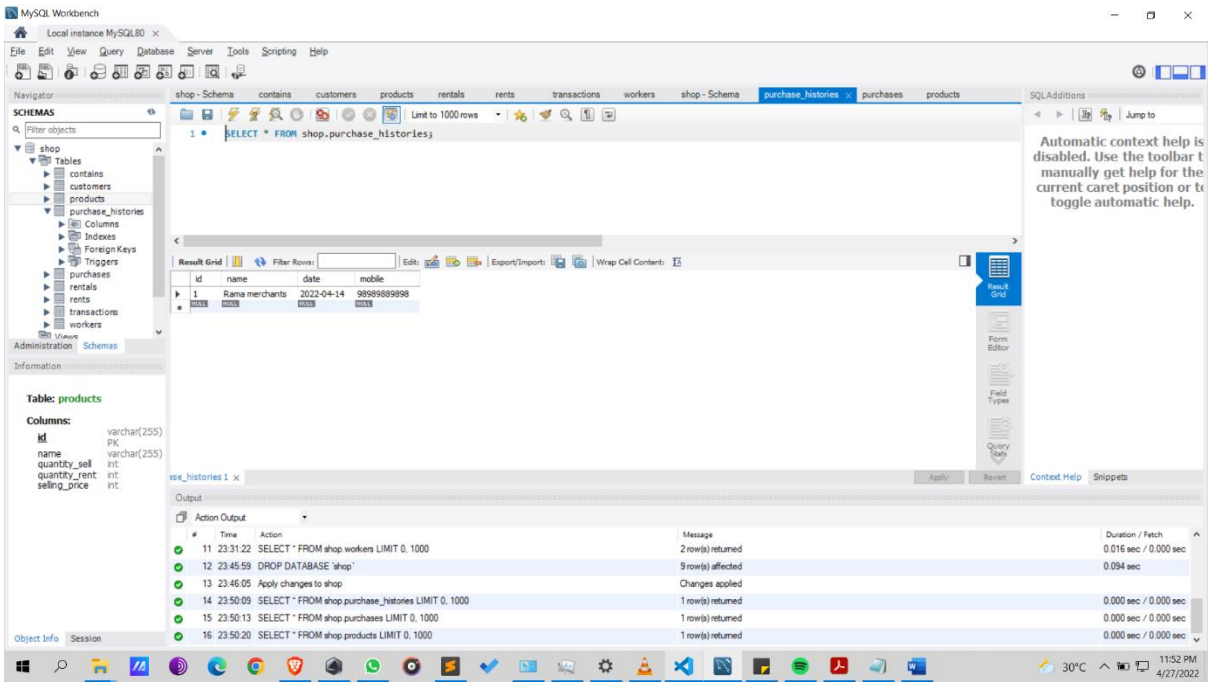
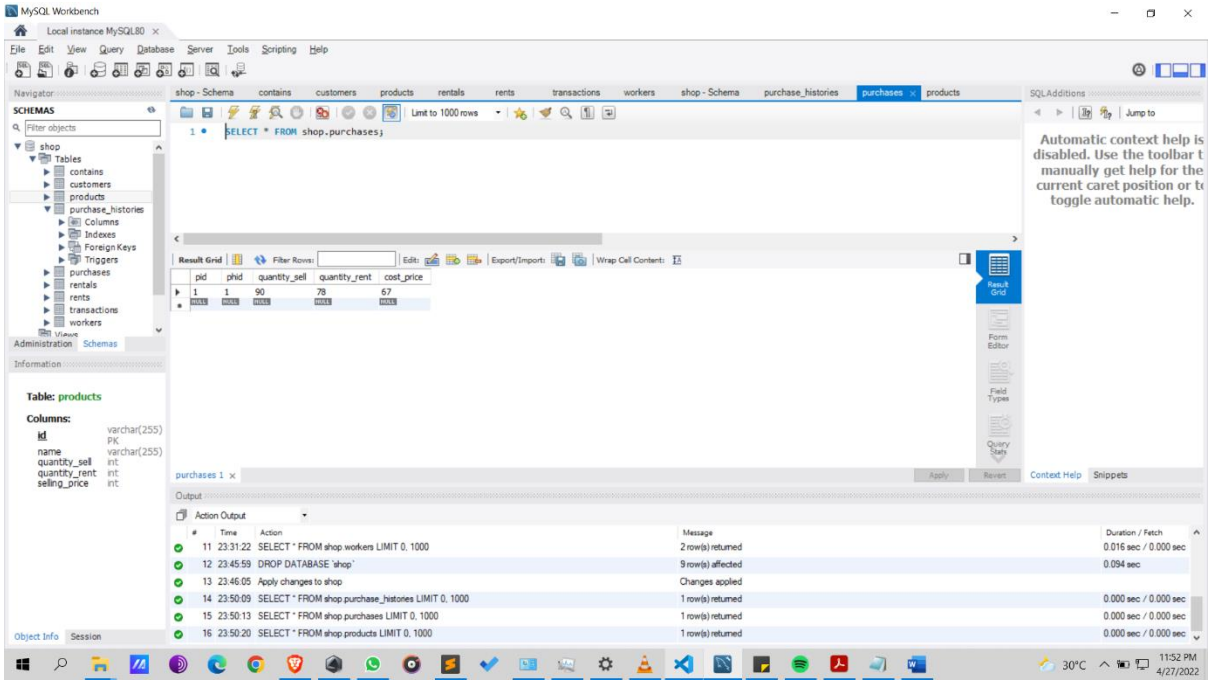

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
shop - Schema contains customers products rentals rents transactions workers shop - Schema purchase_histories purchases products
SELECT * FROM shop.purchase_histories;
Result Grid
id name date mobile
1 Rama merchants 2022-04-14 98989889898
Table: products
Columns:
id varchar(255) PK
name varchar(255)
quantity_sell int
quantity_rent int
selling_price int
Output
Action Output
Time Action Message Duration / Fetch
11 23:31:22 SELECT * FROM shop.workers LIMIT 0, 1000 2 row(s) returned 0.016 sec / 0.000 sec
12 23:45:59 DROP DATABASE `shop` 9 row(s) affected 0.094 sec
13 23:46:05 Apply changes to shop Changes applied
14 23:50:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
15 23:50:13 SELECT * FROM shop.purchases LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
16 23:50:20 SELECT * FROM shop.products LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
30°C
11:52 PM
4/27/2022


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
shop
Tables
contains
customers
products
purchase_histories
Columns
Indexes
Foreign Keys
Triggers
purchases
rentals
rents
transactions
workers
Administration Schemas
Information
Table: products
Columns:
id varchar(255) PK
name varchar(255)
quantity_sell int
quantity_rent int
selling_price int
Object Info Session
shop - Schema contains customers products rentals rents transactions workers shop - Schema purchase_histories purchases products
Limit to 1000 rows
1 SELECT * FROM shop.purchases;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
pid phid quantity_sell quantity_rent cost_price
1 1 90 78 67
purchases 1
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
11 23:31:22 SELECT * FROM shop.workers LIMIT 0, 1000 2 row(s) returned 0.016 sec / 0.000 sec
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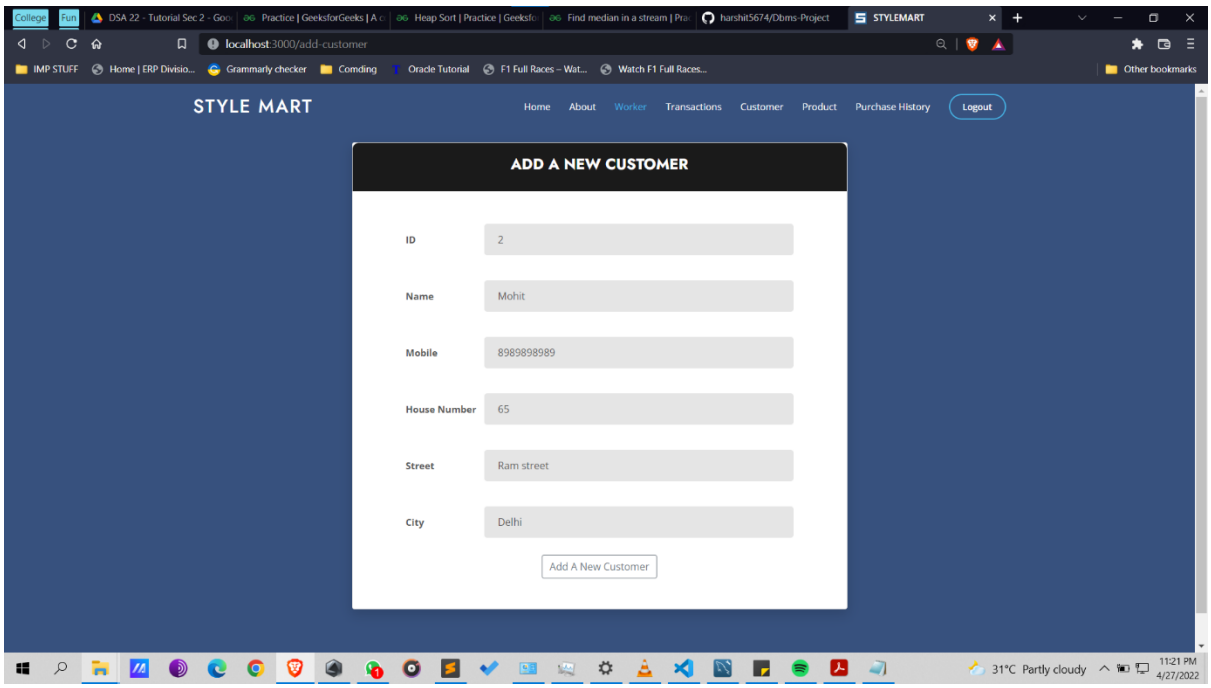
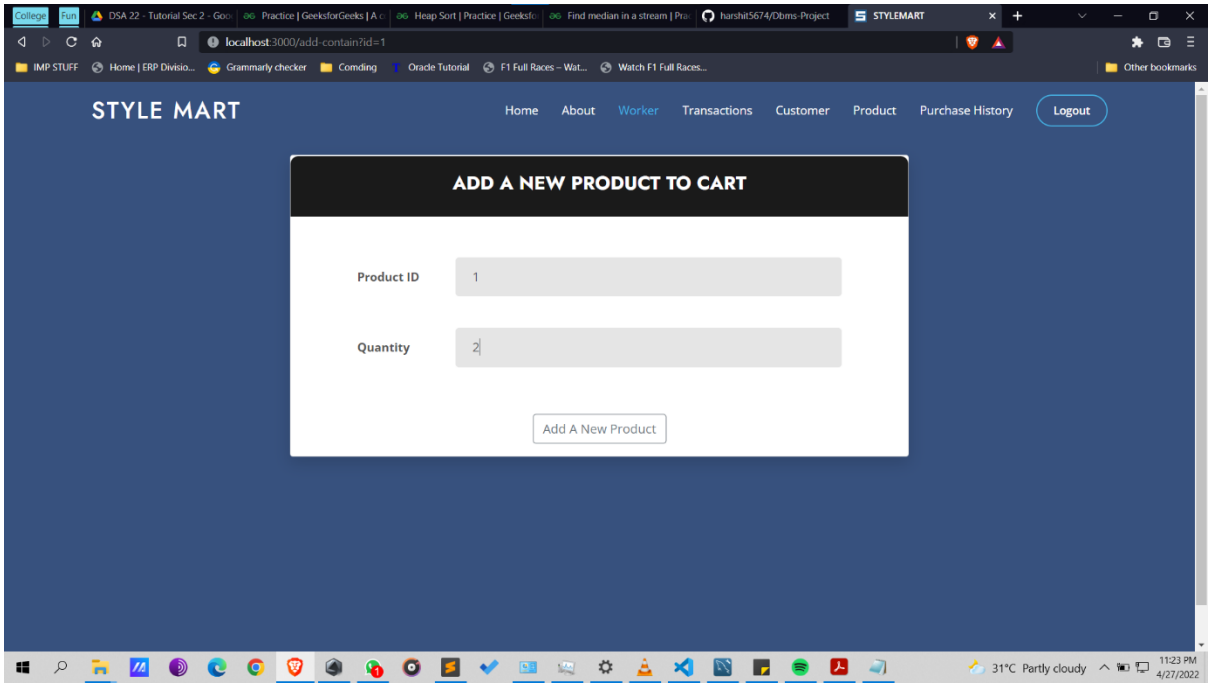
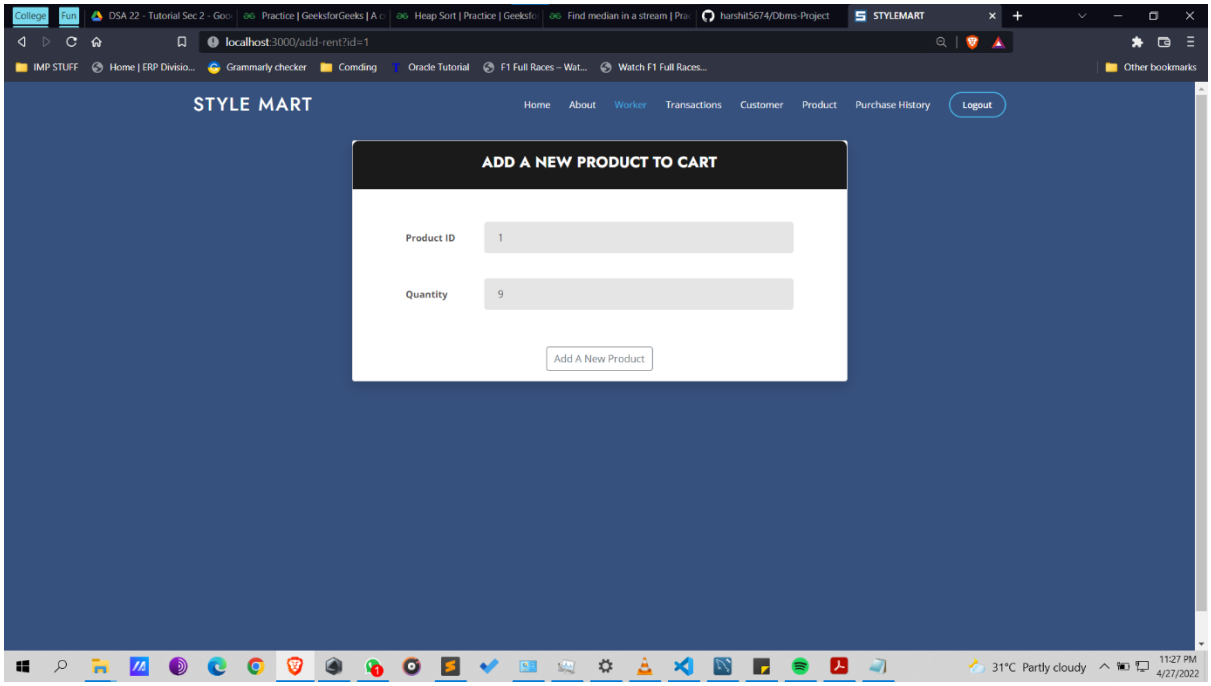
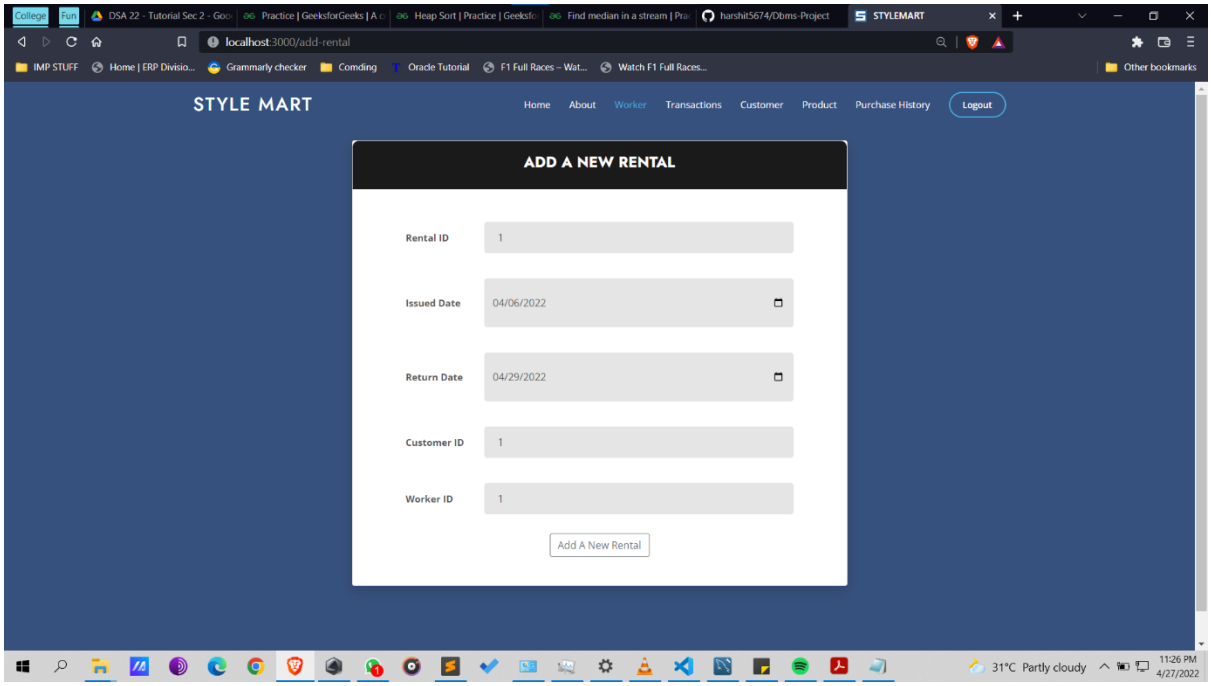
14 23:50:09 SELECT * FROM shop.purchase_histories LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
15 23:50:13 SELECT * FROM shop.purchases LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
16 23:50:20 SELECT * FROM shop.products LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
30°C
11:52 PM
4/27/2022

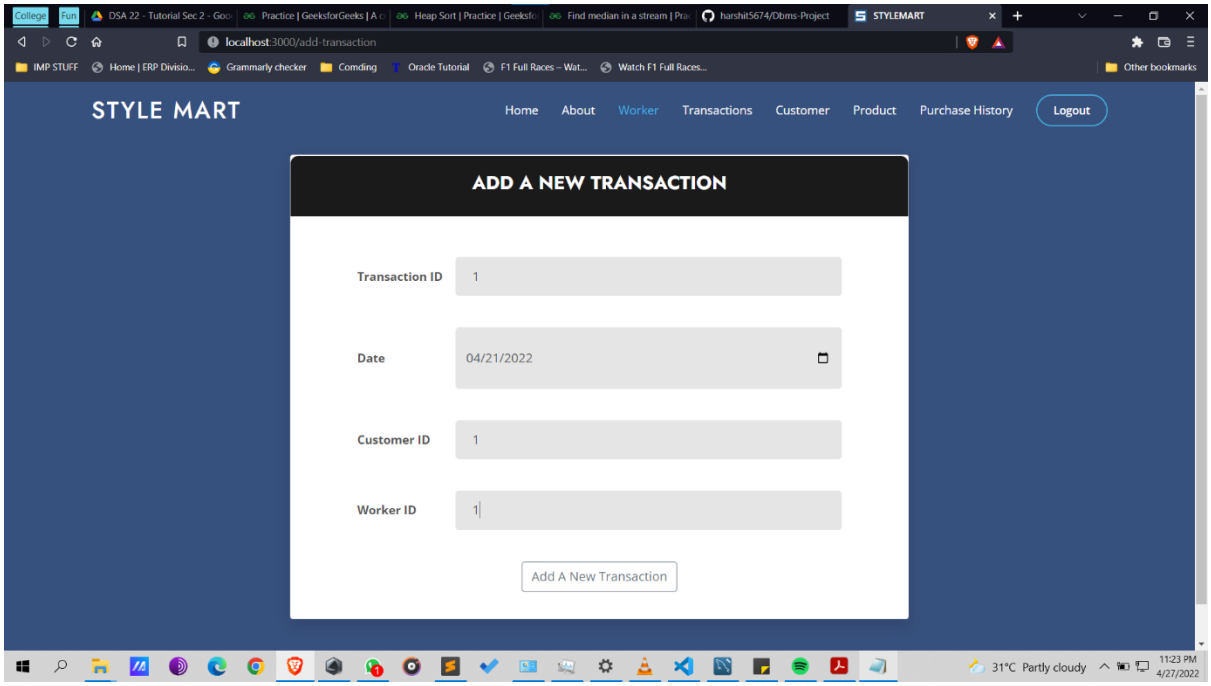
WEB APPLICATION SCREENSHOTS

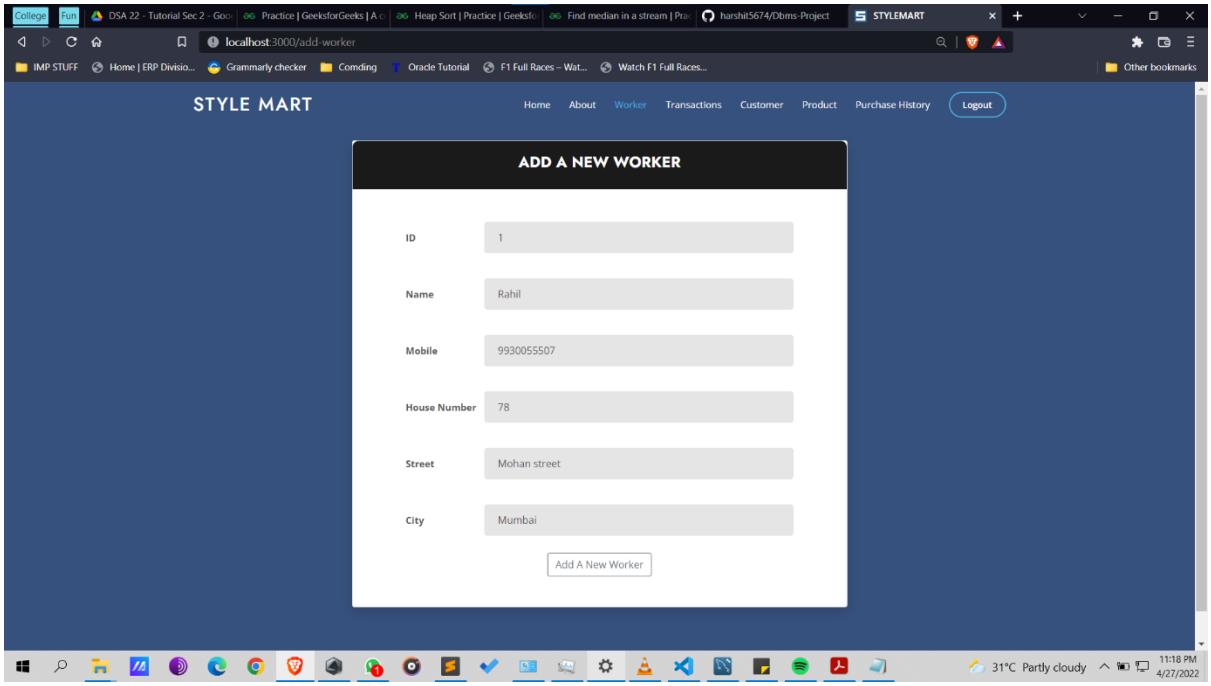


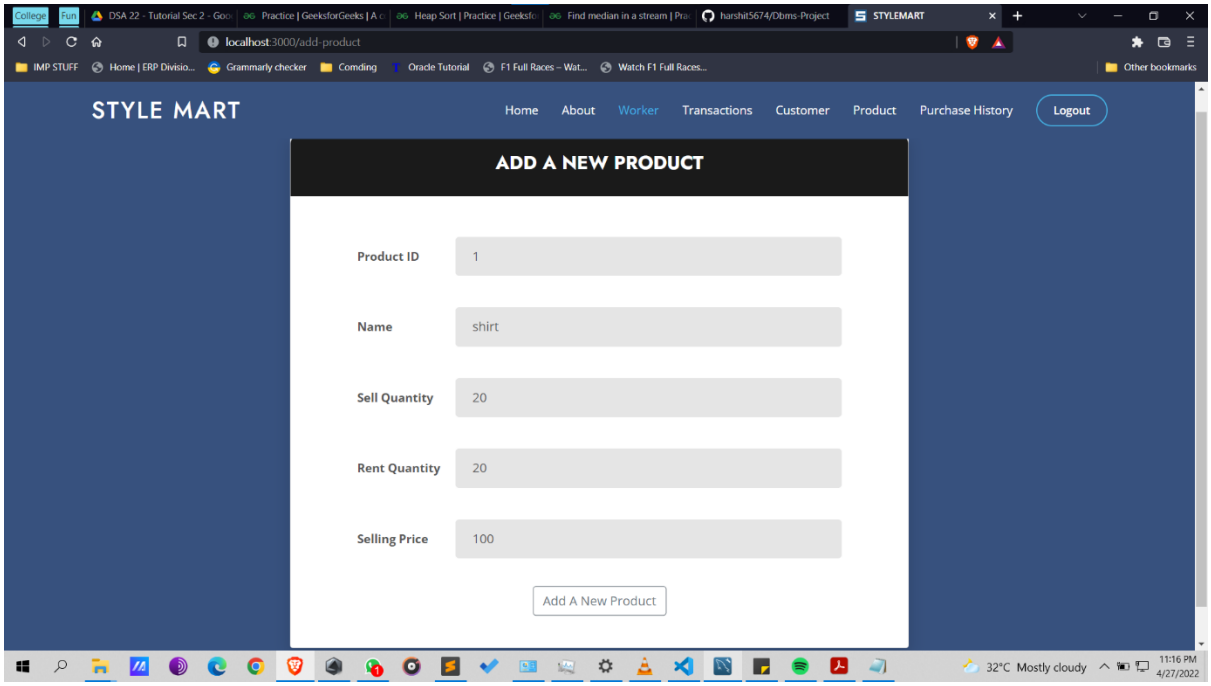


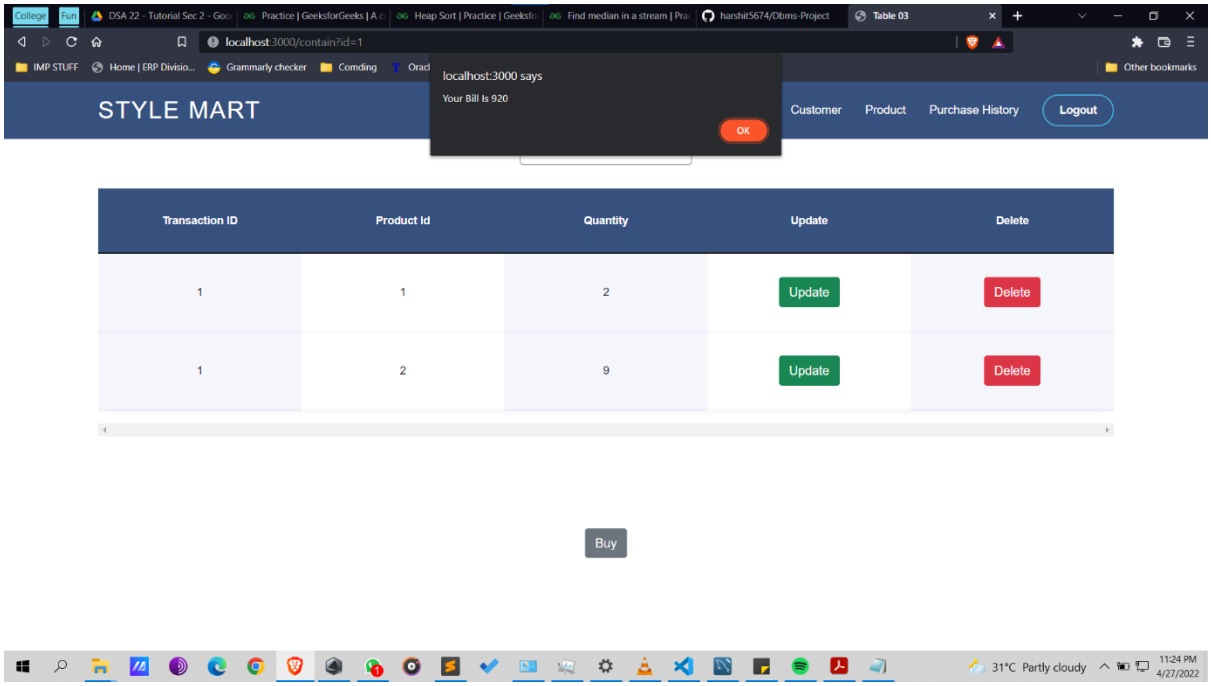

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW PRODUCT TO CART
Product ID
1
Quantity
9
Add A New Product

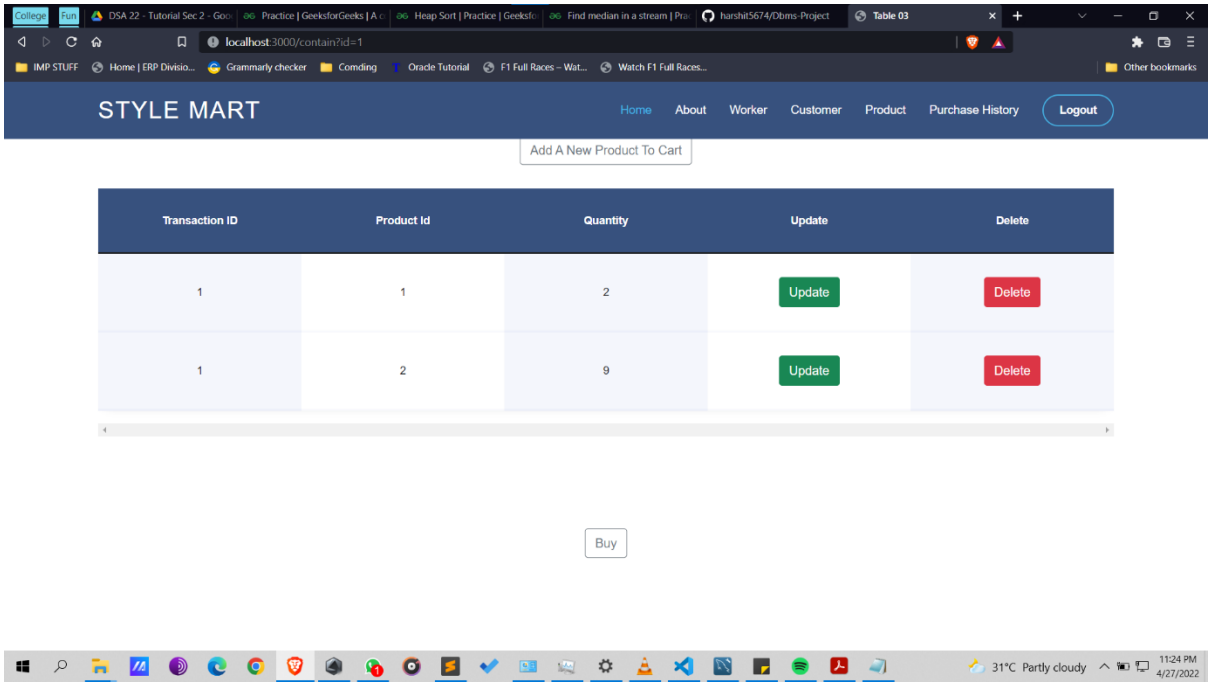

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW RENTAL
Rental ID
1
Issued Date
04/06/2022
Return Date
04/29/2022
Customer ID
1
Worker ID
1
Add A New Rental

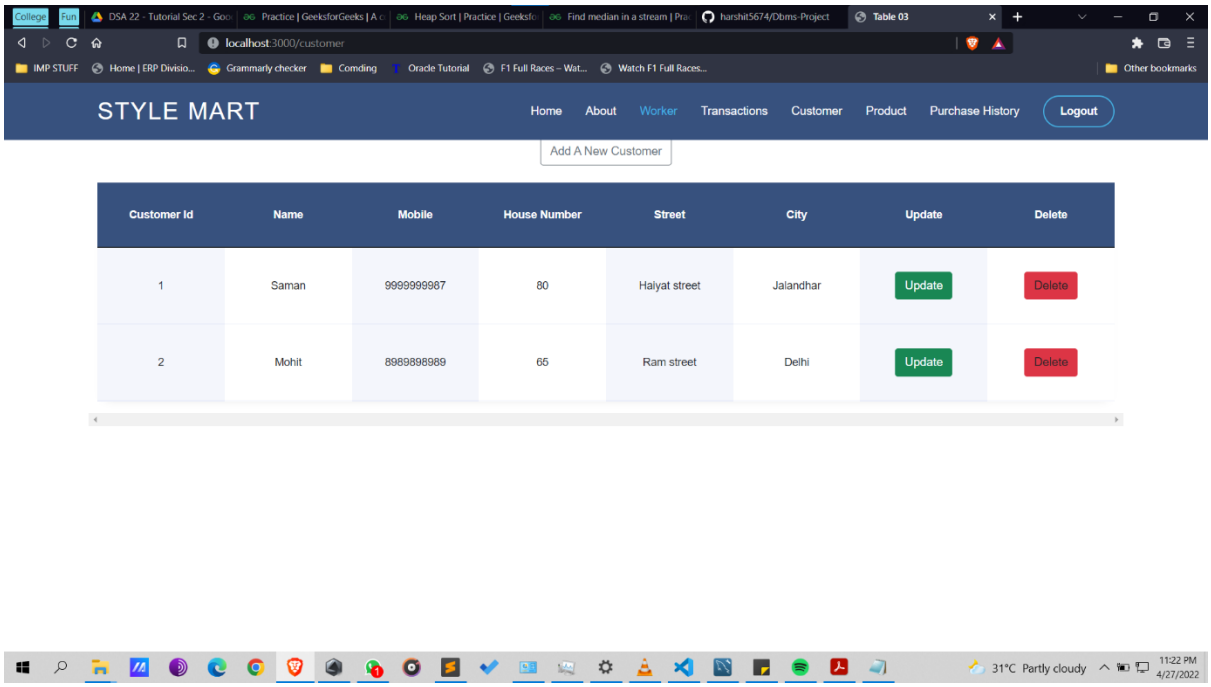

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW TRANSACTION
Transaction ID
1
Date
04/21/2022
Customer ID
1
Worker ID
1
Add A New Transaction

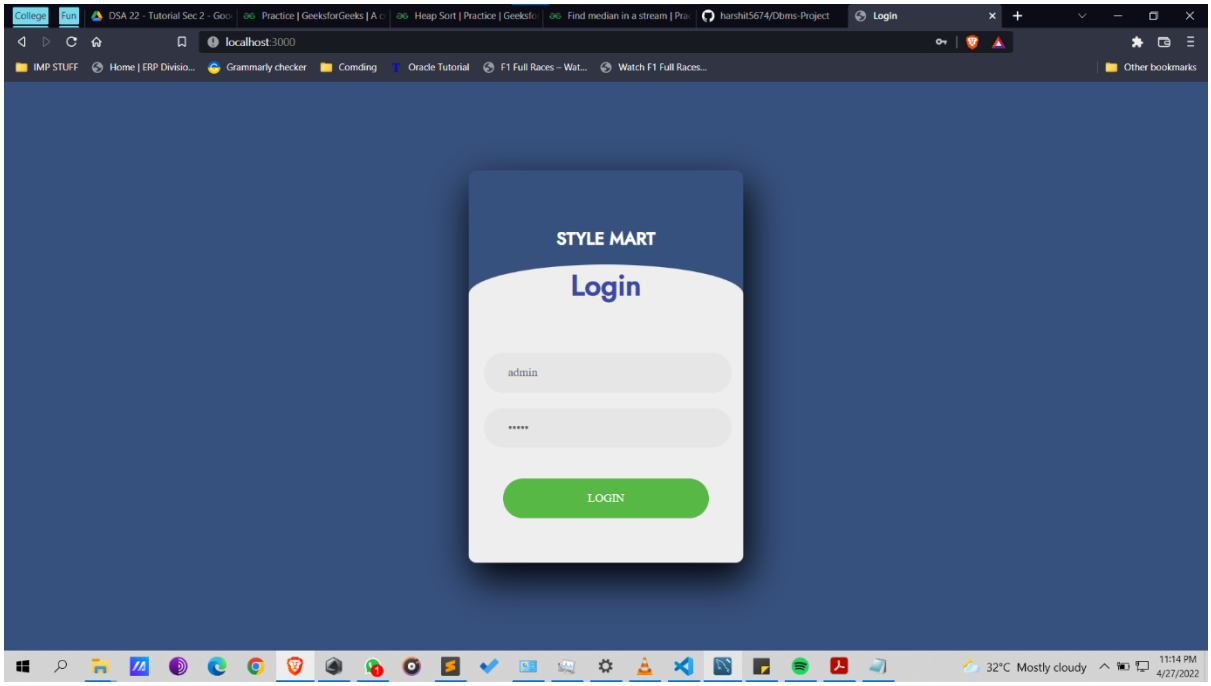

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW WORKER
ID
1
Name
Rahil
Mobile
9930055507
House Number
78
Street
Mohan street
City
Mumbai
Add A New Worker

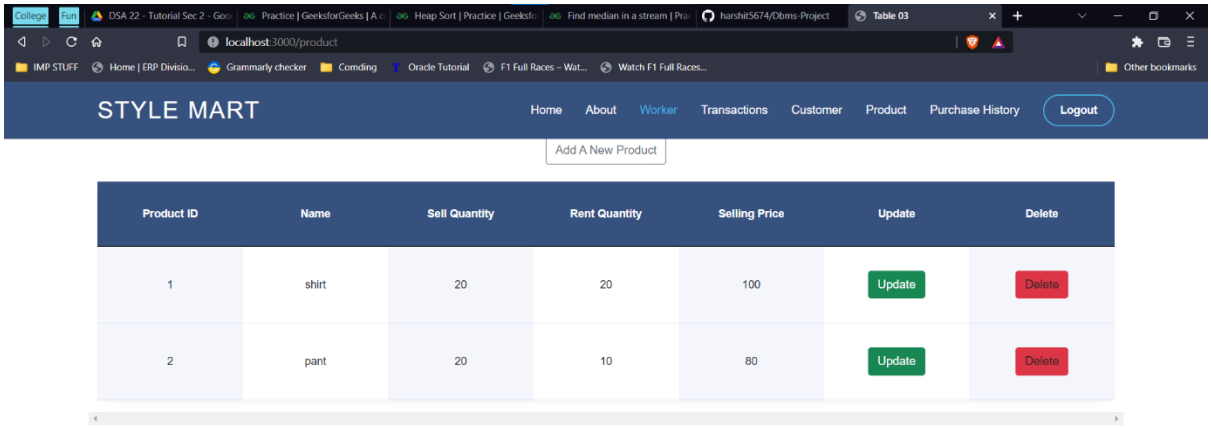

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW PRODUCT
Product ID
1
Name
shirt
Sell Quantity
20
Rent Quantity
20
Selling Price
100
Add A New Product

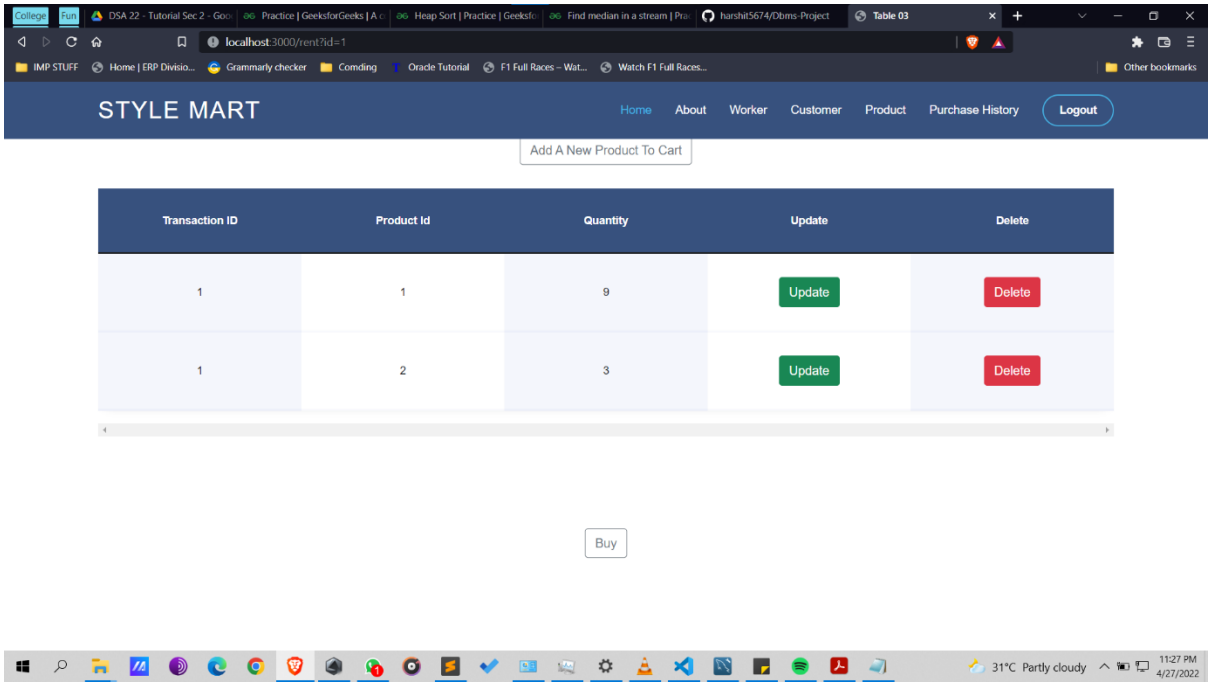

localhost:3000 says
Your Bill Is 920
OK
STYLE MART
Customer
Product
Purchase History
Logout
Transaction ID
Product Id
Quantity
Update
Delete
1
1
2
Update
Delete
1
2
9
Update
Delete
Buy

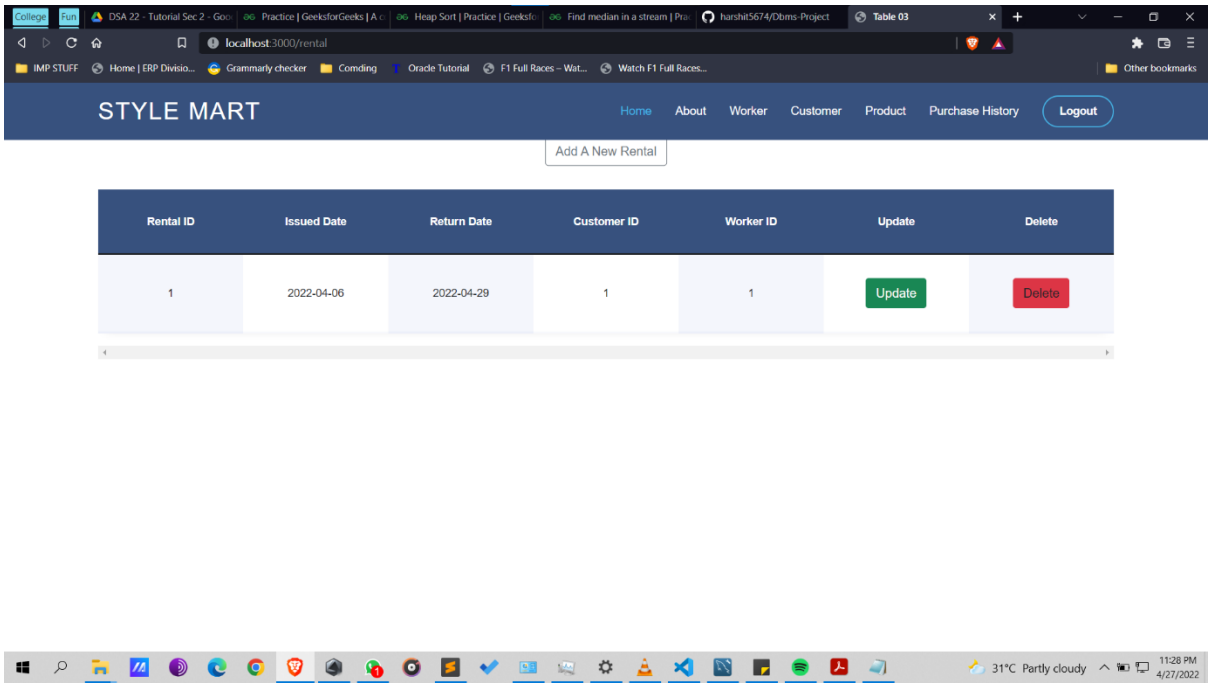

STYLE MART
Home
About
Worker
Customer
Product
Purchase History
Logout
Add A New Product To Cart
Transaction ID
Product Id
Quantity
Update
Delete
1
1
2
Update
Delete
1
2
9
Update
Delete
Buy

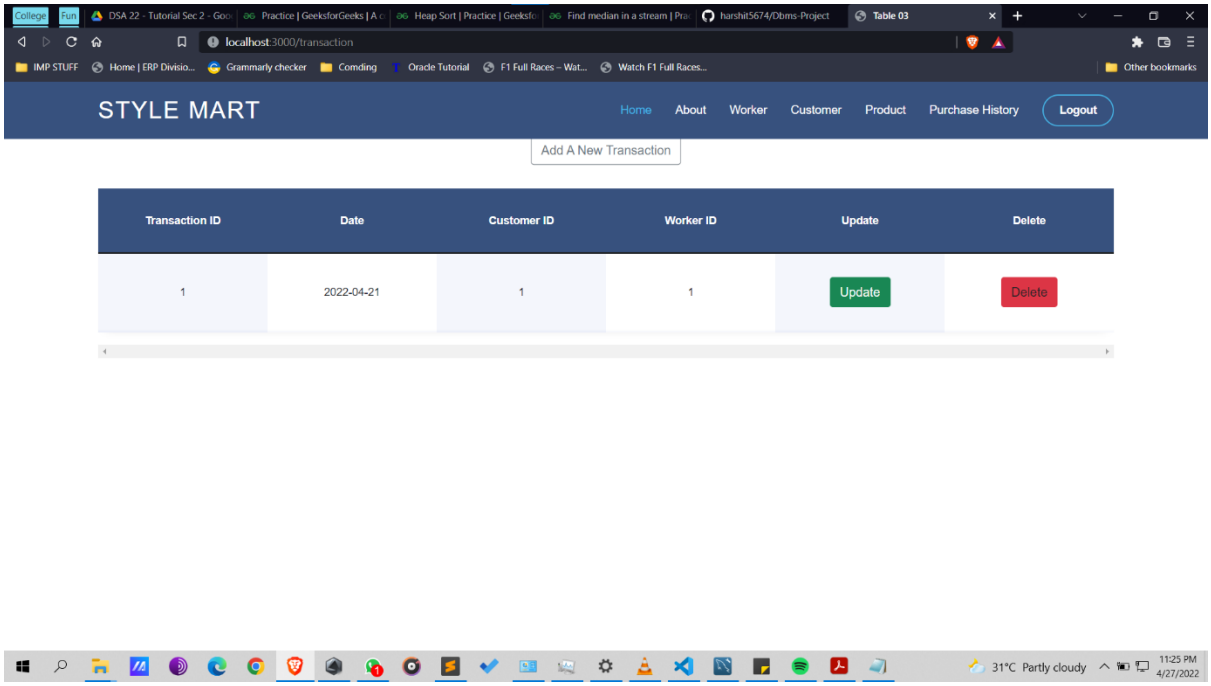

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
Add A New Customer
Customer Id
Name
Mobile
House Number
Street
City
Update
Delete
1
Saman
9999999987
80
Haiyat street
Jalandhar
Update
Delete
2
Mohit
8989898989
65
Ram street
Delhi
Update
Delete

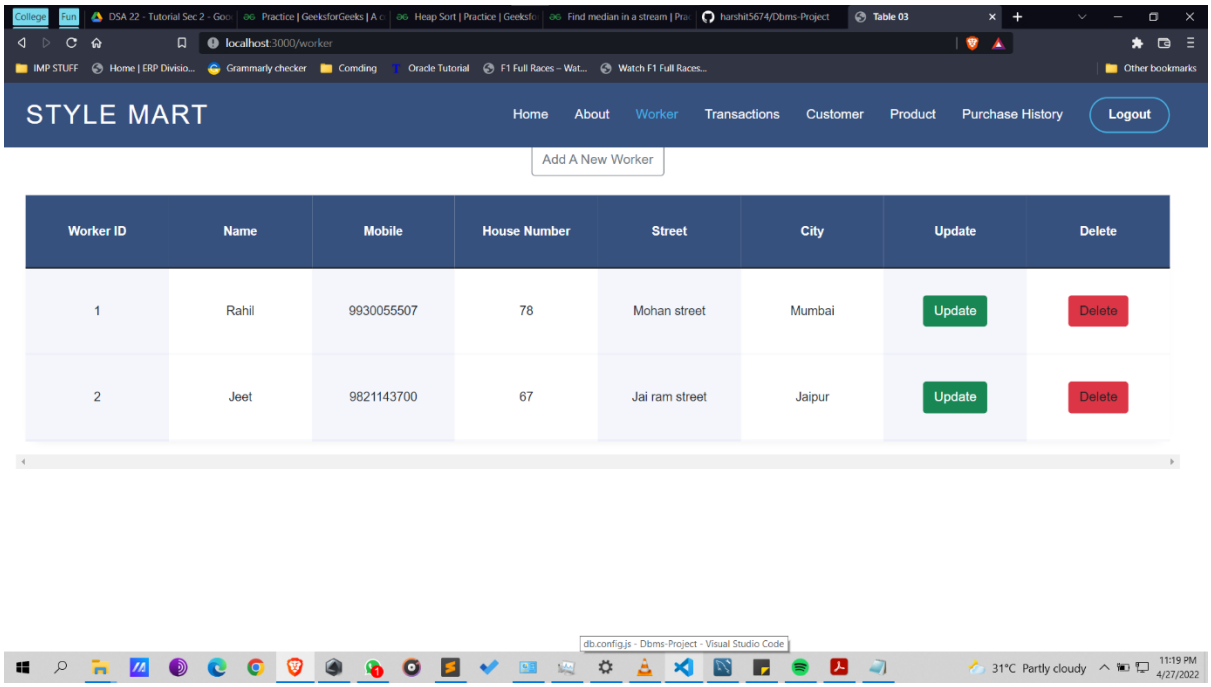

STYLE MART
Login
admin
LOGIN

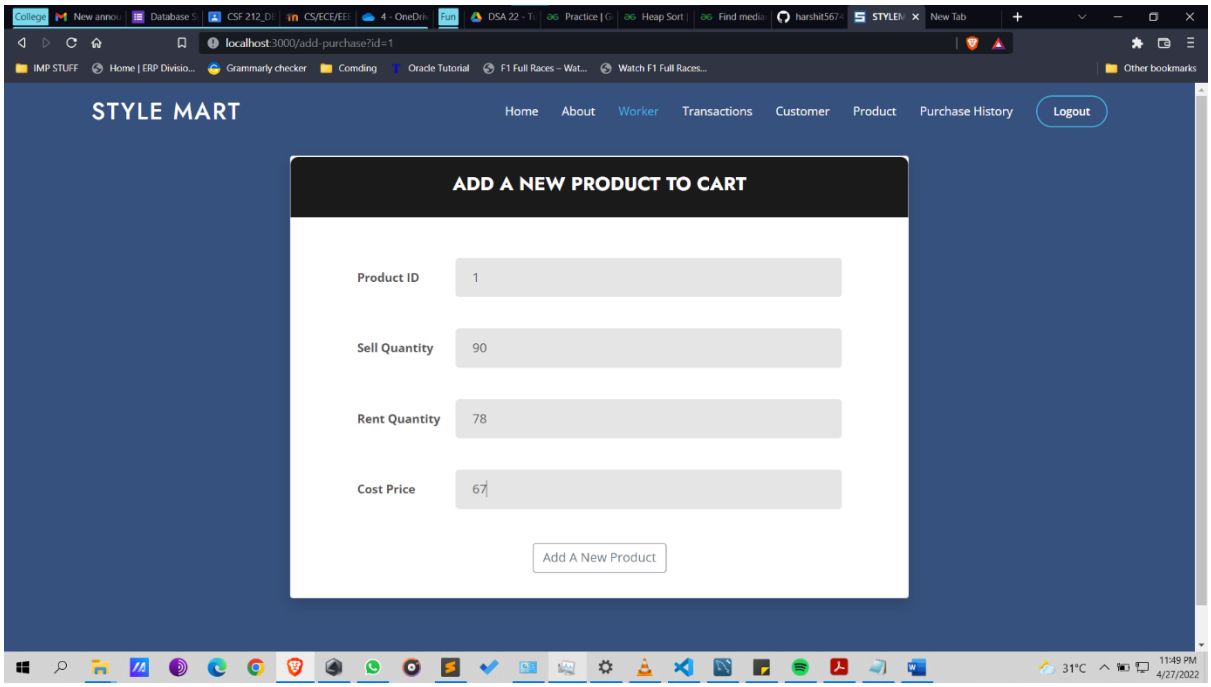

STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
Add A New Product
Product ID
Name
Sell Quantity
Rent Quantity
Selling Price
Update
Delete
1
shirt
20
20
100
Update
Delete
2
pant
20
10
80
Update
Delete

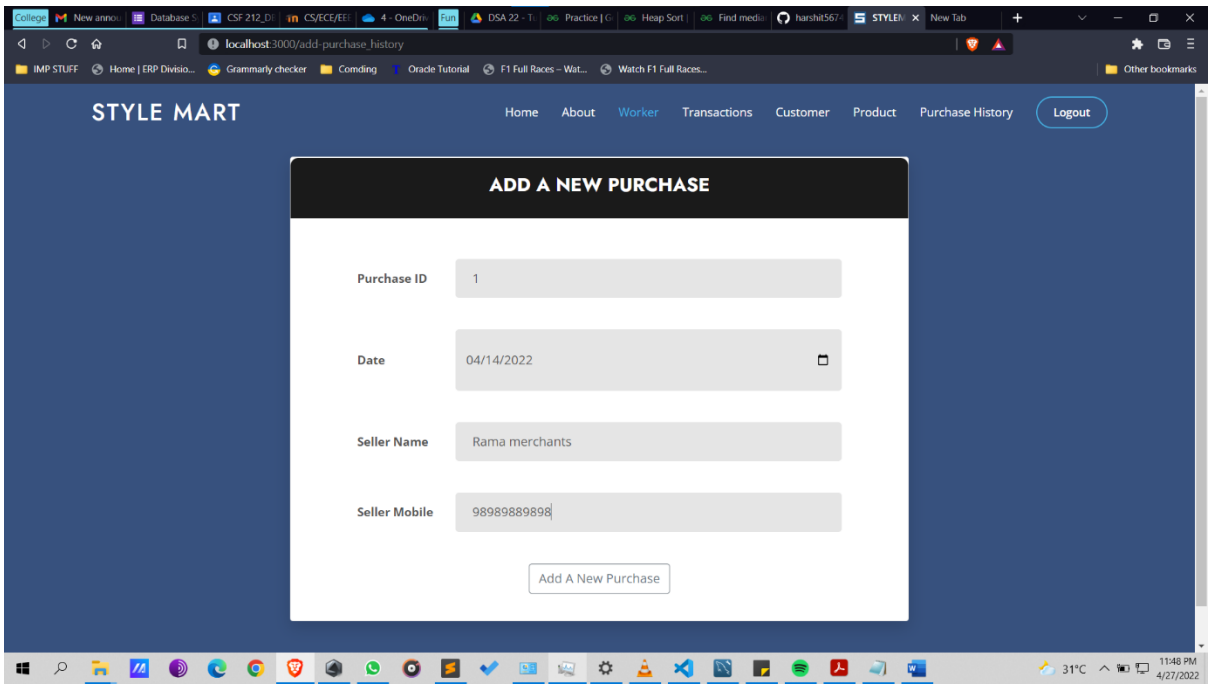

STYLE MART
Home
About
Worker
Customer
Product
Purchase History
Logout
Add A New Product To Cart
Transaction ID
Product Id
Quantity
Update
Delete
1
1
9
Update
Delete
1
2
3
Update
Delete
Buy

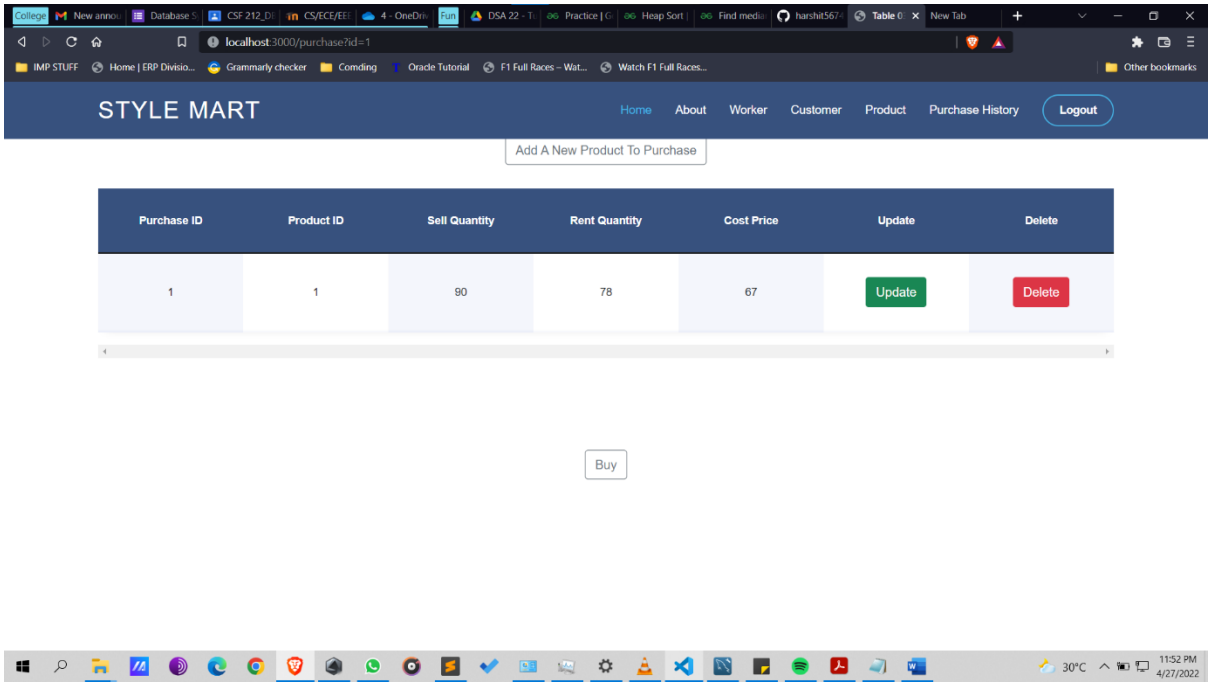

STYLE MART
Home
About
Worker
Customer
Product
Purchase History
Logout
Add A New Rental
Rental ID
Issued Date
Return Date
Customer ID
Worker ID
Update
Delete
1
2022-04-06
2022-04-29
1
1
Update
Delete


STYLE MART
Home
About
Worker
Customer
Product
Purchase History
Logout
Add A New Transaction
Transaction ID
Date
Customer ID
Worker ID
Update
Delete
1
2022-04-21
1
1
Update
Delete


STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
Add A New Worker
Worker ID
Name
Mobile
House Number
Street
City
Update
Delete
1
Rahil
9930055507
78
Mohan street
Mumbai
Update
Delete
2
Jeet
9821143700
67
Jai ram street
Jaipur
Update
Delete


localhost:3000/add-purchase?id=1
STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW PRODUCT TO CART
Product ID
1
Sell Quantity
90
Rent Quantity
78
Cost Price
67
Add A New Product


localhost:3000/add-purchase_history
STYLE MART
Home
About
Worker
Transactions
Customer
Product
Purchase History
Logout
ADD A NEW PURCHASE
Purchase ID
1
Date
04/14/2022
Seller Name
Rama merchants
Seller Mobile
98989889898
Add A New Purchase


localhost:3000/purchase?id=1
STYLE MART
Home
About
Worker
Customer
Product
Purchase History
Logout
Add A New Product To Purchase
Purchase ID
Product ID
Sell Quantity
Rent Quantity
Cost Price
Update
Delete
1
1
90
78
67
Update
Delete
Buy