Aim of the project

The aim of this project is to develop a Data Management System to store, organize, manage and distribute information related to Seller, Buyer and Product.

This includes:

- Implementation of database management system which helps us in centralizing the data used for managing the tasks performed in an E-Commerce Website.
- Sellers who are looking to sell their products online are required to provide their information such as name, email and other contact details, which will be stored in our database in the form of a table.
- Buyers who want to buy a product of given requirements or details need to provide their contact details. We will match their requirements to the product details that we have with us and fetch the results.
- Sellers who are looking to grow their business online can find a big
 opportunity here, they can sell their products mentioning their important
 details such as price, customer satisfaction, loyalty of products etc and
 buyers can easily reach out to the best product that fits their requirements.
- To eliminate the errors involved with the manual method of checking records.
- It provides most of the features that a Database Management System should have. It is developed by using MySQL database.

Hardware and Software Requirements

1. Haruware requ	nements.
	☐ Processor- i3 7th generation
	□ RAM- 2GB
	☐ Harddisk-1 TB
2. Software requir	rements:
	☐ Operating System- 64 Bit
	□ MySQL
Any windows based of	operating system is recommended.
Also, installation of w	vamp/ xamp is recommended for proper working of code

included in the project.

Description of Modules

Sellers

Sellers who are looking to sell their products online are required to provide their information such as name, email and other contact details, which will be stored in our database in the form of a table(seller_details). This table will provide all details that we need of a seller.

Buyers

Buyers who want to buy a product of given requirements or details need to provide their contact details which will be stored in our database in the form of a table(buyer_details). We will match their requirements to the product details that we have with us and fetch the results.

Product

When we need to fetch data for a product, we can fetch through the table(product_details) in our database. This table stores product details such as product name, type, brand etc.

DBMS concepts used :

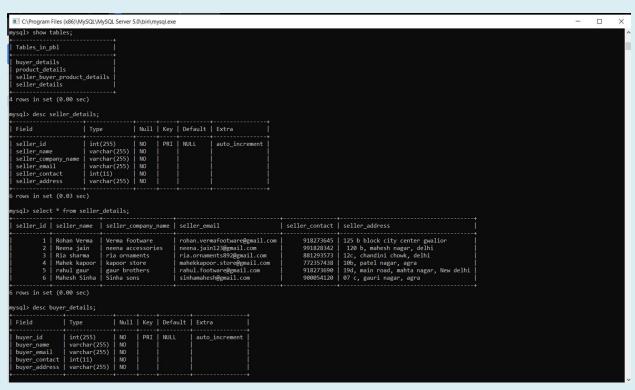
> MySQL Queries

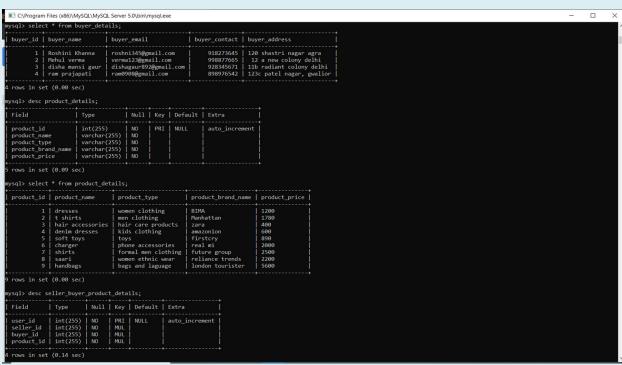
Using SQL commands from Command family

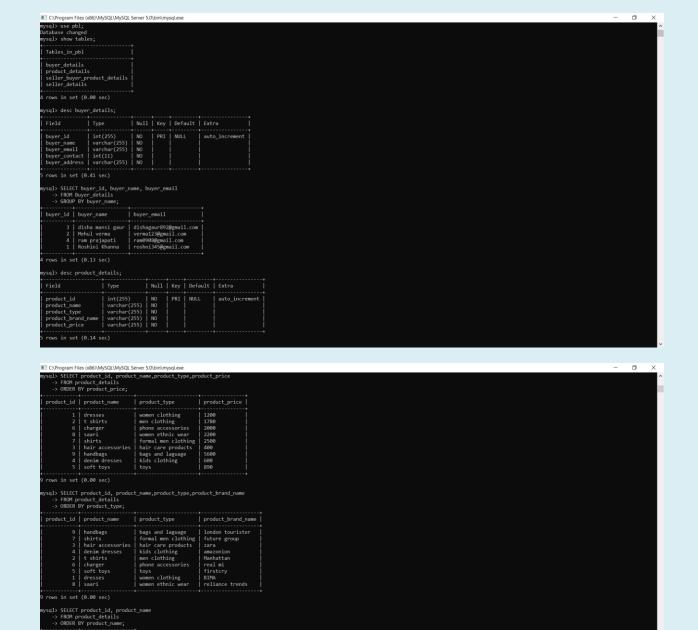
- Data Definition Language (DDL)
- ✓ CREATE
- ✓ ALTER
- ✓ DROP
 - Data Manipulation Language(DML)
- ✓ INSERT
- ✓ UPDATE
- ✓ SELECT
- ✓ DELETE
- **Constraints**
- ✓ NOT NULL
- ✓ UNIQUE
- ✓ CHECK
- ✓ DEFAULT
- ✓ KEY CONSTRAINTS- PRIMARY KEY & FOREIGN KEY
- > Normalization
- ✓ Decomposition(lossless)
- ✓ No redundancies
- **Other important concepts:**
- ✓ JOINS
- ✓ CLAUSES(WHERE clause, HAVING clause, GROUP BY clause and ORDER BY clause)

Screen shots of the output

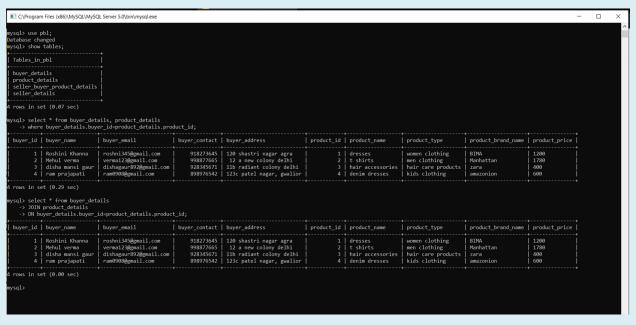
(Performed on MySQL cmd)

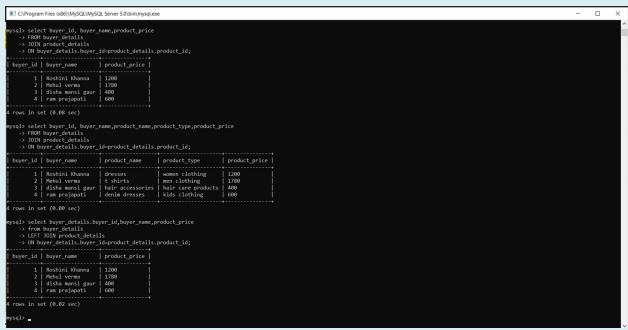






6 | charger
4 | denim dresses
1 | dresses
3 | hair accessories
9 | handbags
8 | saari
7 | shirts
5 | soft toys





■ C:\Program Files (x86)\MySQL\MySQL Server 5.0\bin\mysql.exe

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seller_name	seller_company_name	product_name	product_price	
Rohan Verma	Verma footware	dresses	1200	
Neena jain	neena accessories	t shirts	1780	
Ria sharma	ria ornaments	hair accessories	400	
Mahek kapoor	kapoor store	denim dresses	600	
rahul gaur	gaur brothers	soft toys	890	
Mahesh Sinha	Sinha sons	charger	2000	

rsql> select buyer_name,buyer_contact,buyer_address,product_type,product_price
 -> from buyer_details
 -> join product_details
 -> na_buyer_details,buyer_id=product_details_product_id:

buyer_name	buyer_contact	buyer_address	product_type	product_price
Roshini Khanna	918273645	120 shastri nagar agra	women clothing	1200
Mehul verma	998877665	12 a new colony delhi	men clothing	1780
disha mansi gaur	928345671	11b radiant colony delhi	hair care products	400
ram prajapati	898976542	123c patel nagar, gwalior	kids clothing	600

mysql> Select s.seller_name,s.seller_company_name,p.product_name,p.product_type from seller_details s,product_details p,seller_buyer_product_details sb where s.seller_id = sb.seller_id and p.product_id = sb.product_id;
Empty set (0.09 sec)