



**19BIT0292**

**Bhaumik Tandan**

**DIGITAL ASSIGNMENT-1**

**CLOUD COMPUTING**

**ITE3007**

**F1+TF1**

**PHP APPLICATION**  
**USING AZURE SERVER SQL**

# TABLE CREATION

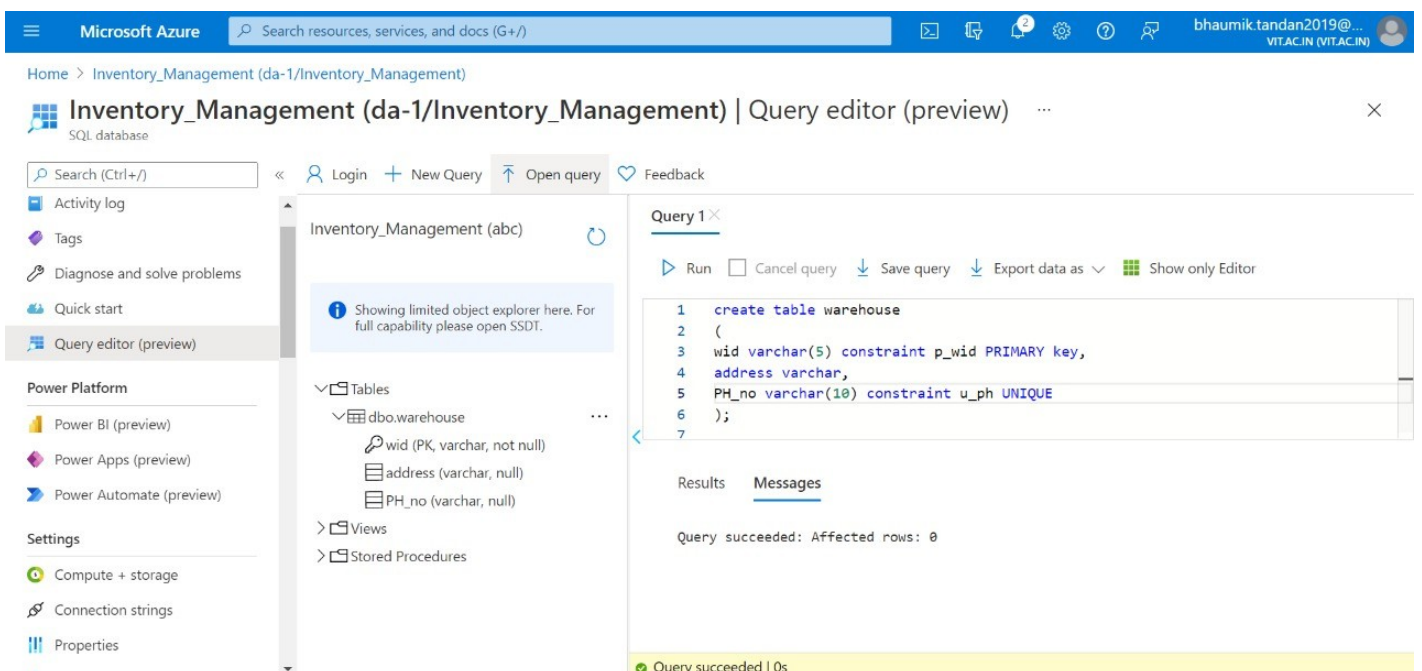
## WAREHOUSE

### CODE

create table warehouse

(  
wid varchar(5) constraint p\_wid PRIMARY key,  
address varchar,  
PH\_no varchar(10) constraint u\_ph UNIQUE  
);

### SCREENSHOT



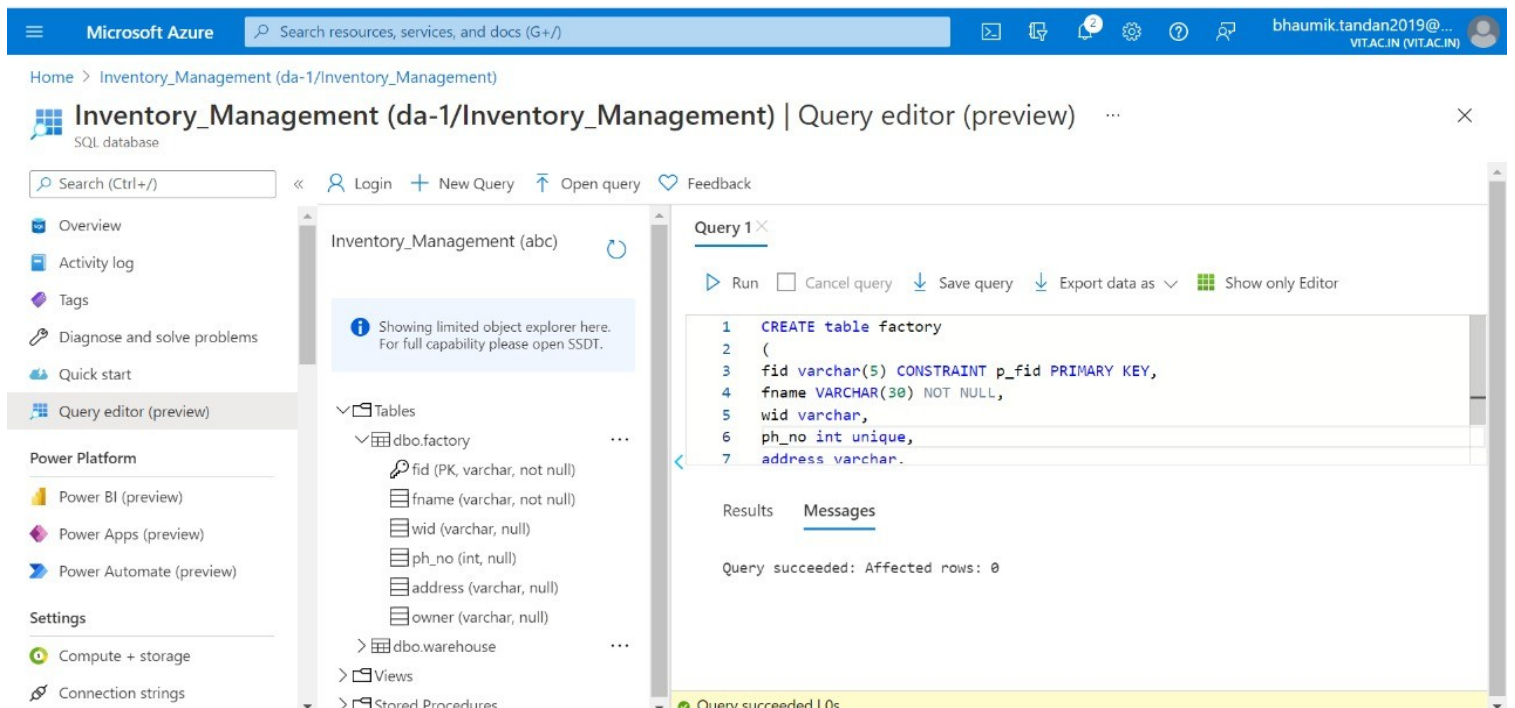
# FACTORY

## CODE

CREATE table factory

```
(  
fid varchar(5) CONSTRAINT p_fid PRIMARY KEY,  
fname VARCHAR(30) NOT NULL,  
wid varchar,  
ph_no int unique,  
address varchar,  
owner varchar  
);
```

## SCREENSHOT



# CATEGORY

## CODE

CREATE table category

```
(  
  cname varchar(20) constraint nn_cn NOT NULL,  
  cid varchar(5) constraint p_cid PRIMARY KEY,  
  des_ varchar(50)  
);
```

## SCREENSHOT

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area is titled 'Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview)'. The left sidebar contains a navigation menu with options like Overview, Activity log, Tags, Diagnose and solve problems, Quick start, and Query editor (preview). The central pane shows the 'Inventory\_Management (abc)' database with a table explorer displaying 'dbo.category' and its columns: 'cname (varchar, not null)', 'cid (PK, varchar, not null)', and 'des\_ (varchar, null)'. The right pane shows the 'Query 1' editor with the following SQL code:

```
1 CREATE table category  
2 (  
3   cname varchar(20) constraint nn_cn NOT NULL,  
4   cid varchar(5) constraint p_cid PRIMARY KEY,  
5   des_ varchar(50)  
6 );
```

Below the query editor, the 'Results' tab shows the message: 'Query succeeded: Affected rows: 0'. A status bar at the bottom indicates 'Query succeeded | 0s'.

# RAW MATERIAL

## CODE

```
CREATE table raw_material  
(  
  rname varchar(20) constraint u_n primary key,  
  price int,  
  suplier varchar,  
  cid varchar NOT NULL  
);
```

## SCREENSHOT

Home > Inventory\_Management (da-1/Inventory\_Management)

Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview) ...

SQL database

Search (Ctrl+/)

Overview  
Activity log  
Tags  
Diagnose and solve problems  
Quick start

Query editor (preview)

Power Platform

Power BI (preview)  
Power Apps (preview)  
Power Automate (preview)

Settings

Compute + storage  
Connection strings

Inventory\_Management (abc)

Showing limited object explorer here.  
For full capability please open SSDT.

Tables

> dbo.category

> dbo.factory

> dbo.raw\_material

rname (PK, varchar, not null)

price (int, null)

suplier (varchar, null)

cid (varchar, not null)

> dbo.warehouse

> Views

> Stored Procedures

Query 1 X

Run Cancel query Save query Export data as Show only Editor

```
1 CREATE table raw_material  
2 (  
3   rname varchar(20) constraint u_n primary key,  
4   price int,  
5   suplier varchar,  
6   cid varchar NOT NULL  
7 );
```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 0s

# BELONGS

# CODE

```
create table belongs  
(  
  rname varchar,  
  fid varchar  
);
```

# SCREENSHOT

The screenshot displays the Microsoft Azure portal interface. At the top, the navigation bar shows 'Microsoft Azure' and a search bar. Below this, the breadcrumb trail indicates 'Home > Inventory\_Management (da-1/Inventory\_Management)'. The main header of the page reads 'Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview)'. On the left, a sidebar contains navigation links: Overview, Activity log, Tags, Diagnose and solve problems, Quick start, and Query editor (preview). The central pane shows the 'Inventory\_Management (abc)' database explorer with a message: 'Showing limited object explorer here. For full capability please open SSDT.' The 'Tables' section is expanded, showing 'dbo.belongs' with columns 'rname (varchar, null)' and 'fid (varchar, null)'. The right pane, titled 'Query 1', contains the SQL code: 

```
1 create table belongs
2 (
3   rname varchar,
4   fid varchar
5 );
6
```

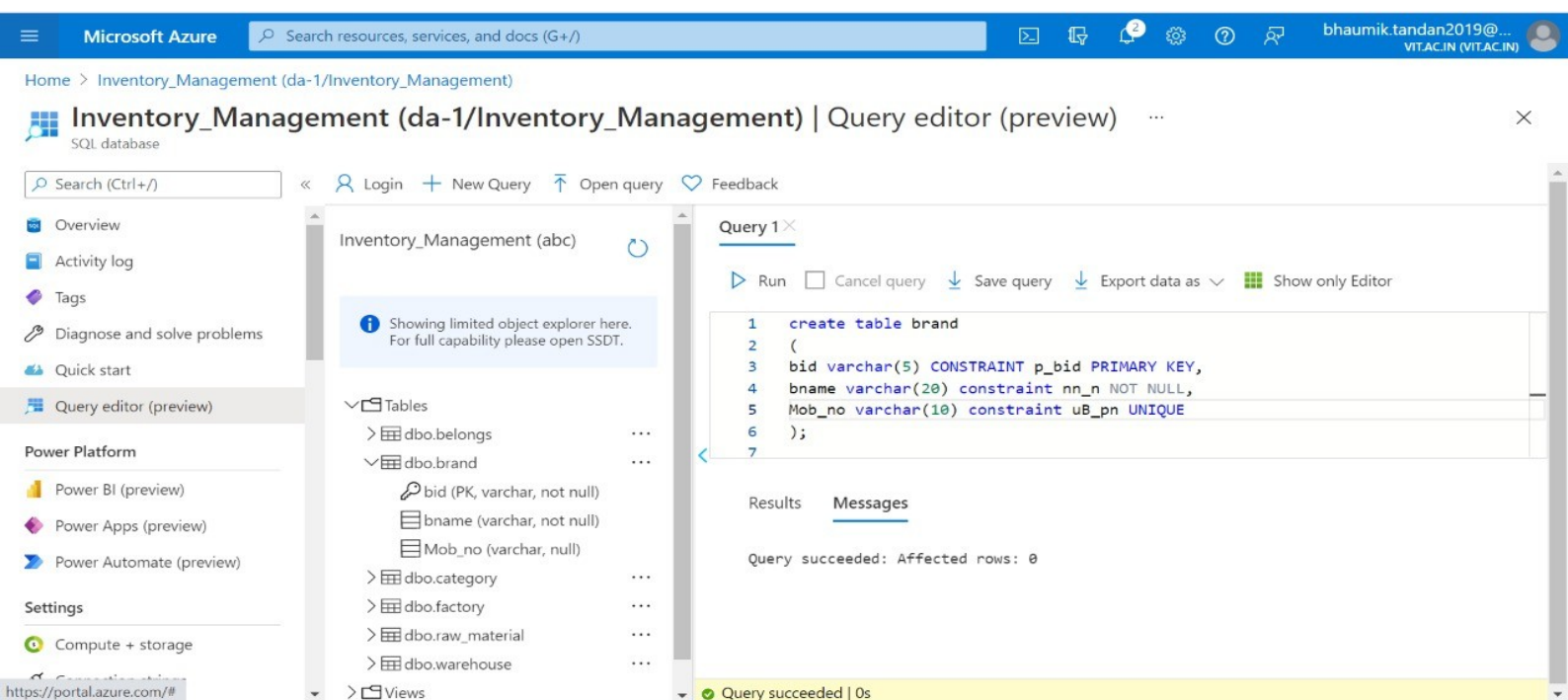
 Below the code, the 'Results' tab is selected, showing 'Query succeeded: Affected rows: 0'. A status bar at the bottom indicates 'Query succeeded | 0s'.

# BRAND

# CODE

```
create table brand
(
bid varchar(5) CONSTRAINT p_bid PRIMARY
KEY,
bname varchar(20) constraint nn_n NOT NULL,
Mob_no varchar(10) constraint uB_pn UNIQUE
);
```

# SCREENSHOT



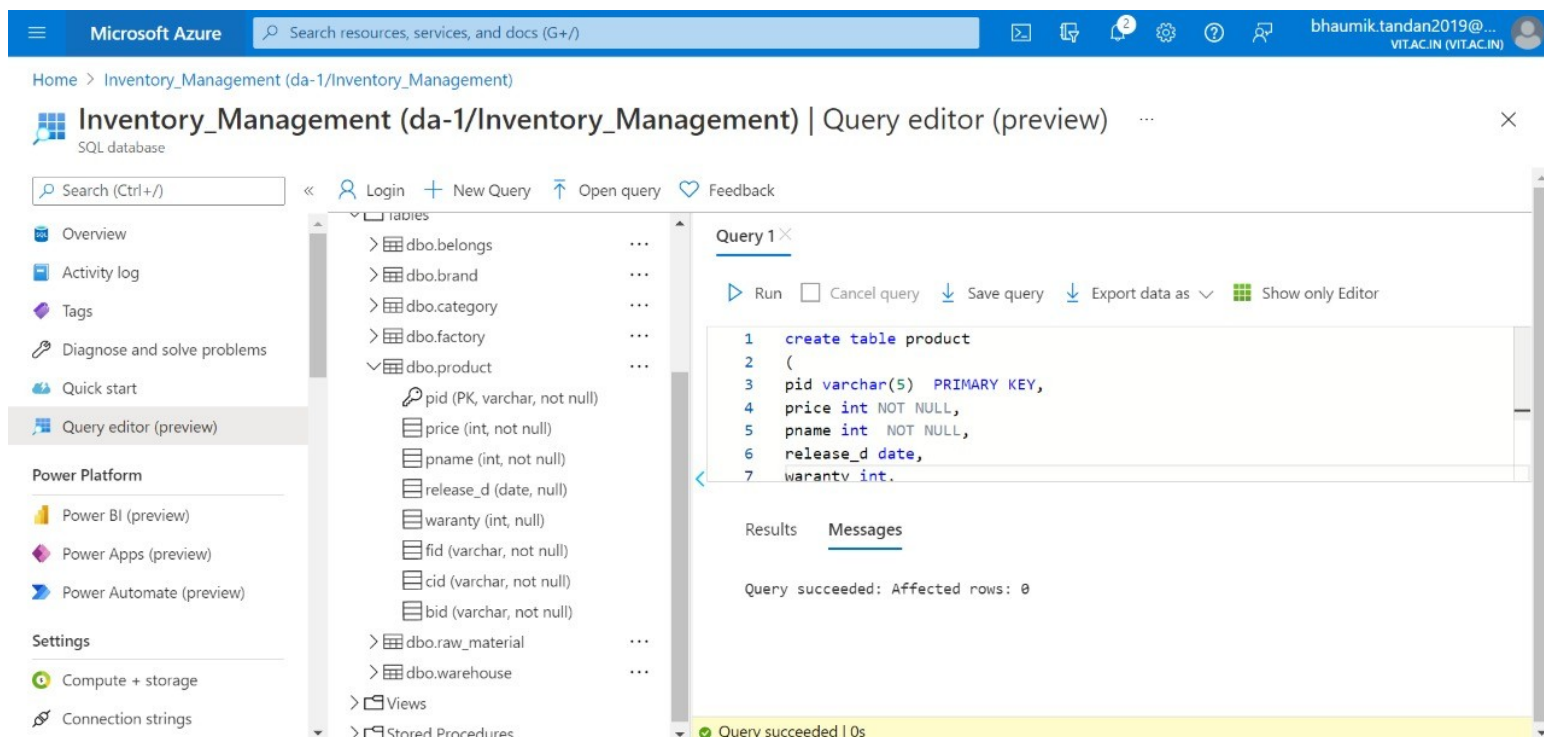


# PRODUCT

## CODE

```
create table product
(  
  pid varchar(5) PRIMARY KEY,  
  price int NOT NULL,  
  pname int NOT NULL,  
  release_d date,  
  warranty int,  
  fid varchar not null,  
  cid varchar not null,  
  bid varchar not null  
);
```

## SCREENSHOT





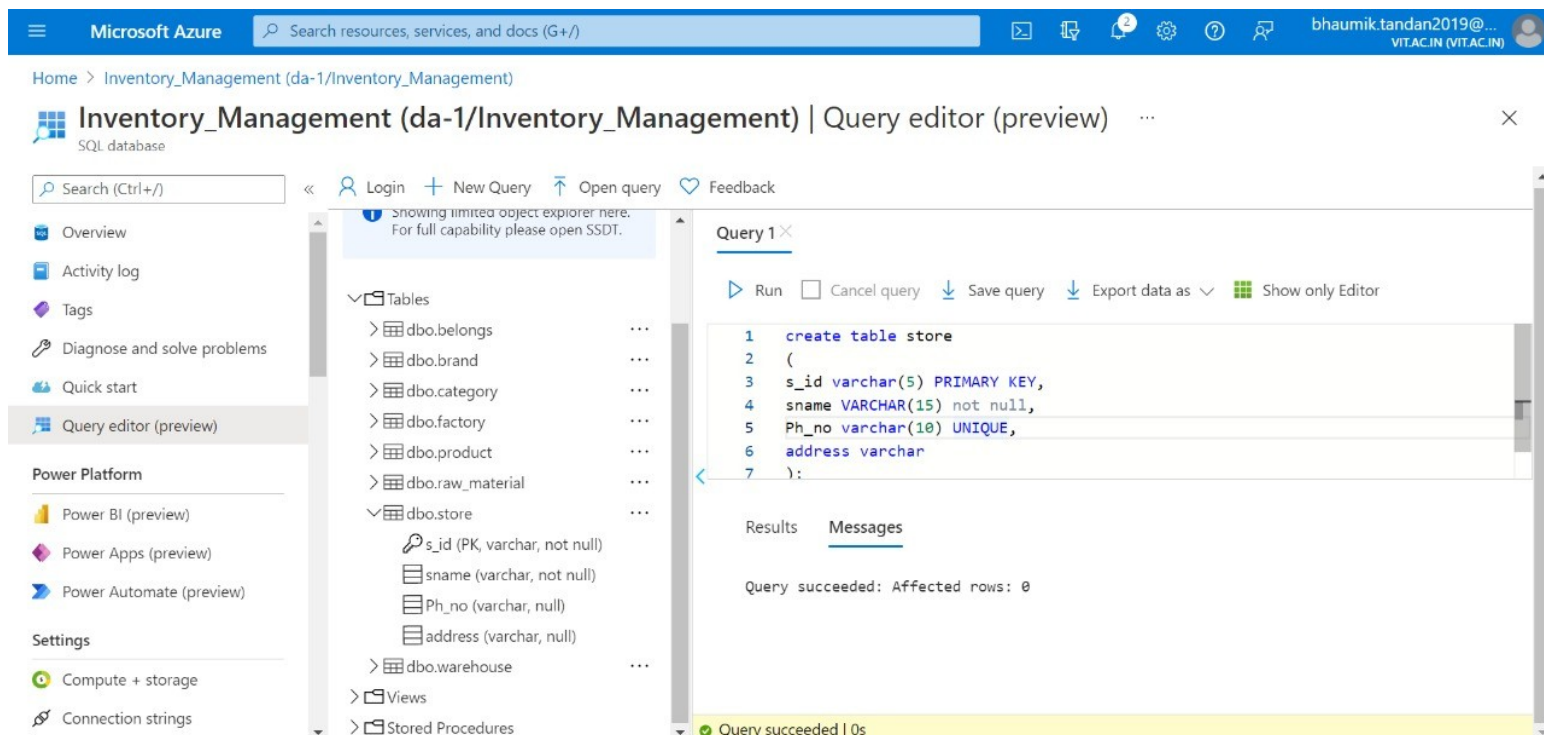
# STORE

# CODE

create table store

```
(  
s_id varchar(5) PRIMARY KEY,  
sname VARCHAR(15) not null,  
Ph_no varchar(10) UNIQUE,  
address varchar  
);
```

# SCREENSHOT

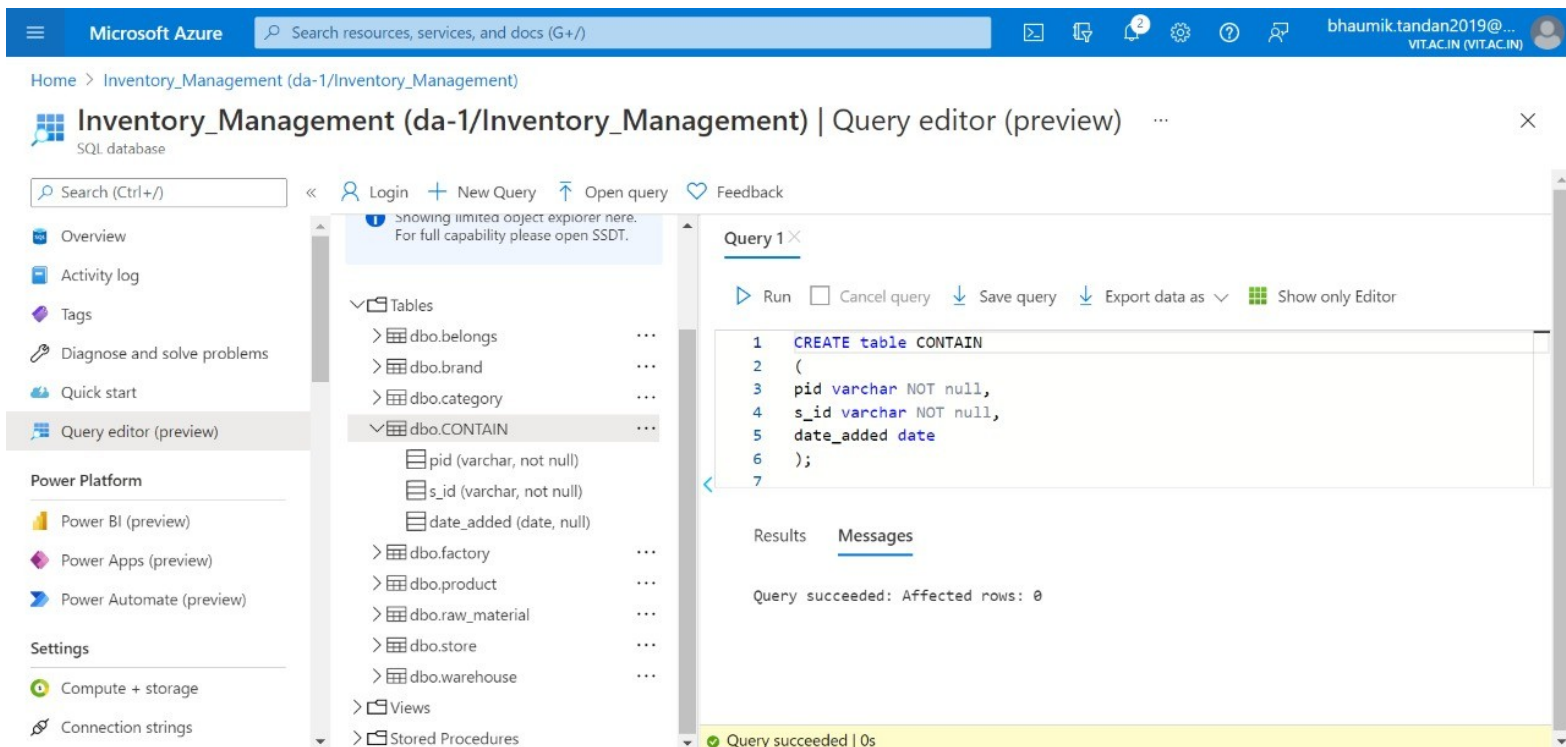


# CONTAIN

# CODE

```
CREATE table CONTAIN  
(  
  pid varchar NOT null,  
  s_id varchar NOT null,  
  date_added date  
);
```

# SCREENSHOT

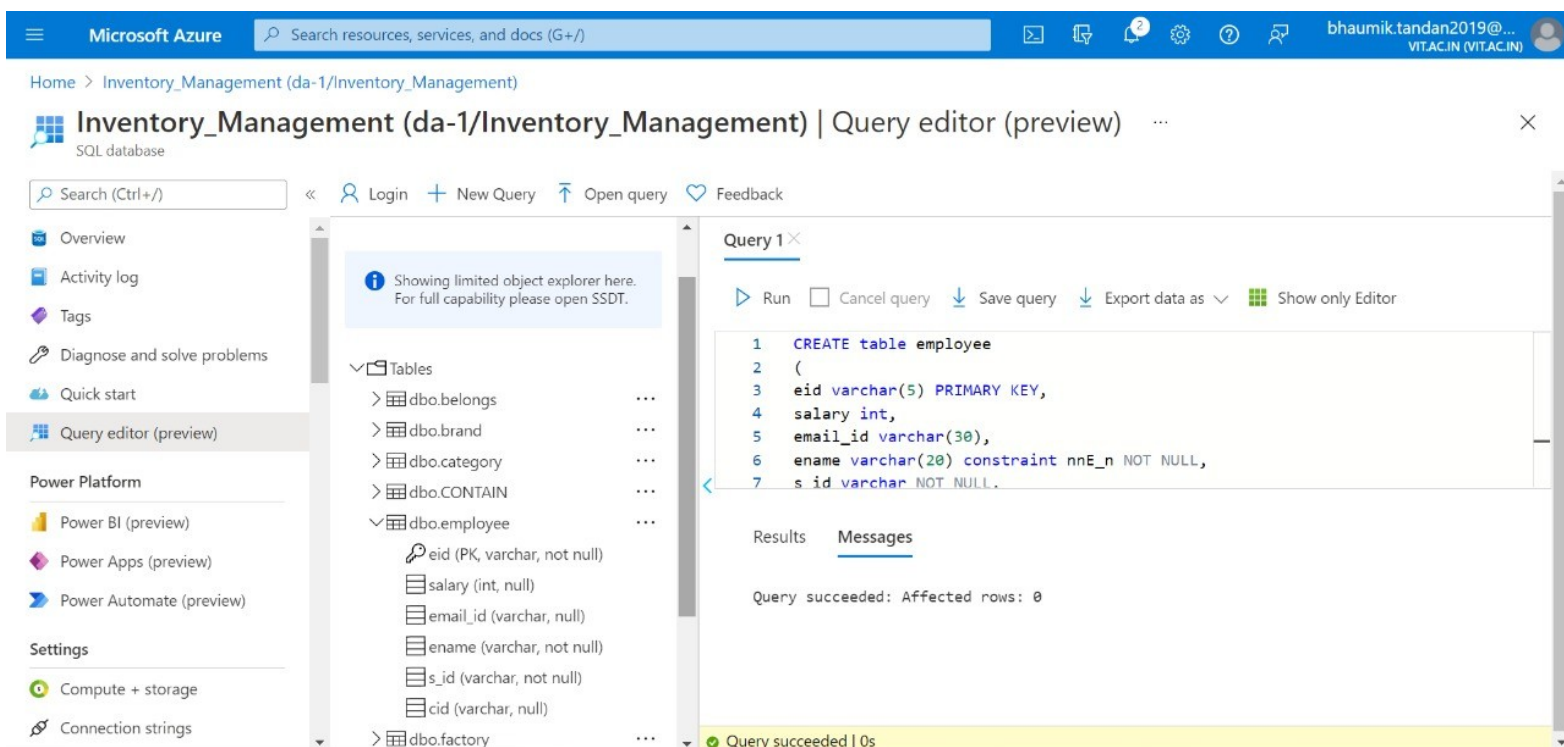


# EMPLOYEE

## CODE

```
CREATE table employee
(  
  eid varchar(5) PRIMARY KEY,  
  salary int,  
  email_id varchar(30),  
  ename varchar(20) constraint nnE_n NOT NULL,  
  s_id varchar NOT NULL,  
  cid varchar  
);
```

## SCREENSHOT

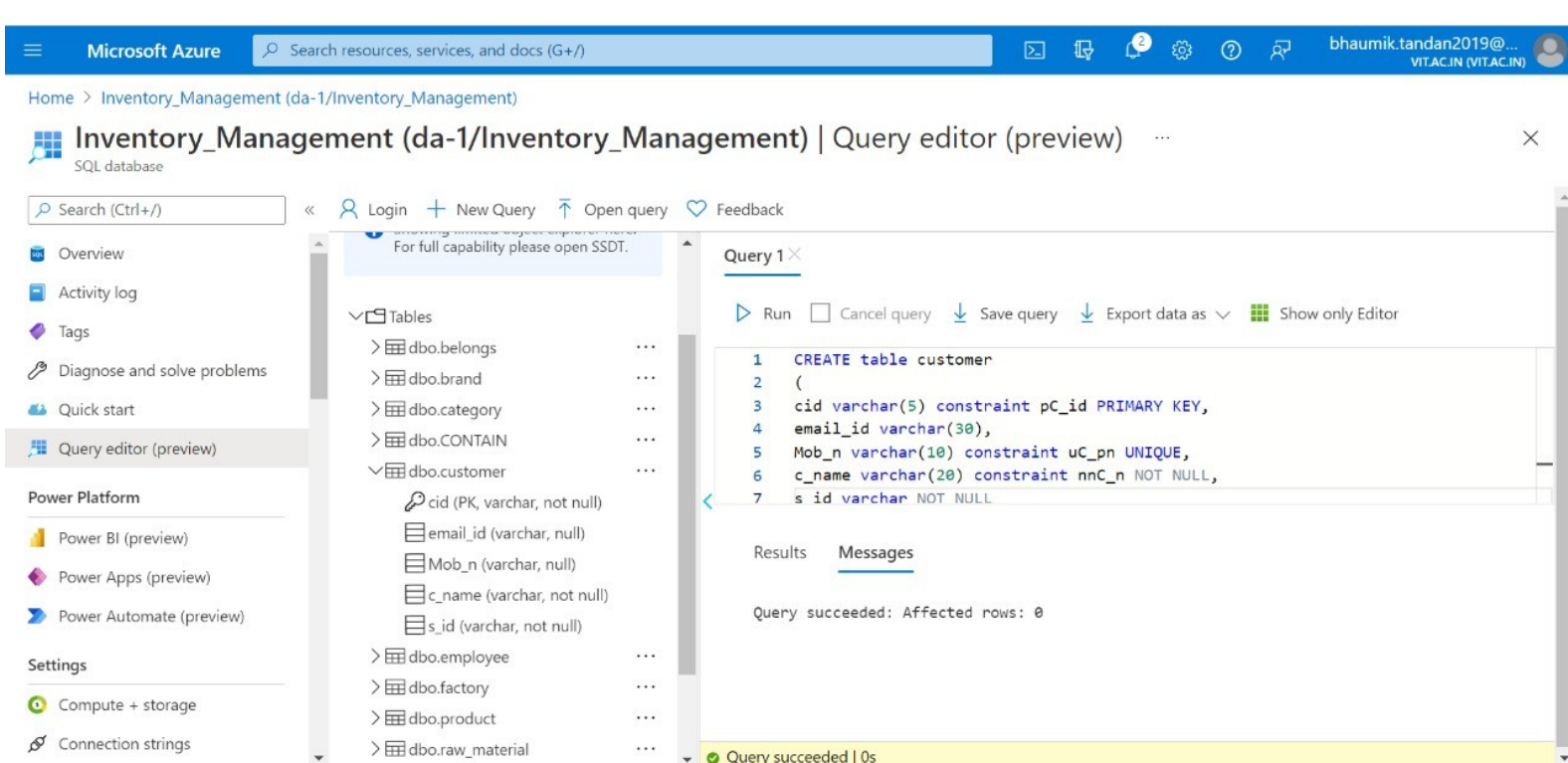


# CUSTOMER

## CODE

```
CREATE table customer
(  
  cid varchar(5) constraint pC_id PRIMARY KEY,  
  email_id varchar(30),  
  Mob_n varchar(10) constraint uC_pn UNIQUE,  
  c_name varchar(20) constraint nnC_n NOT NULL,  
  s_id varchar NOT NULL  
);
```

## SCREENSHOT



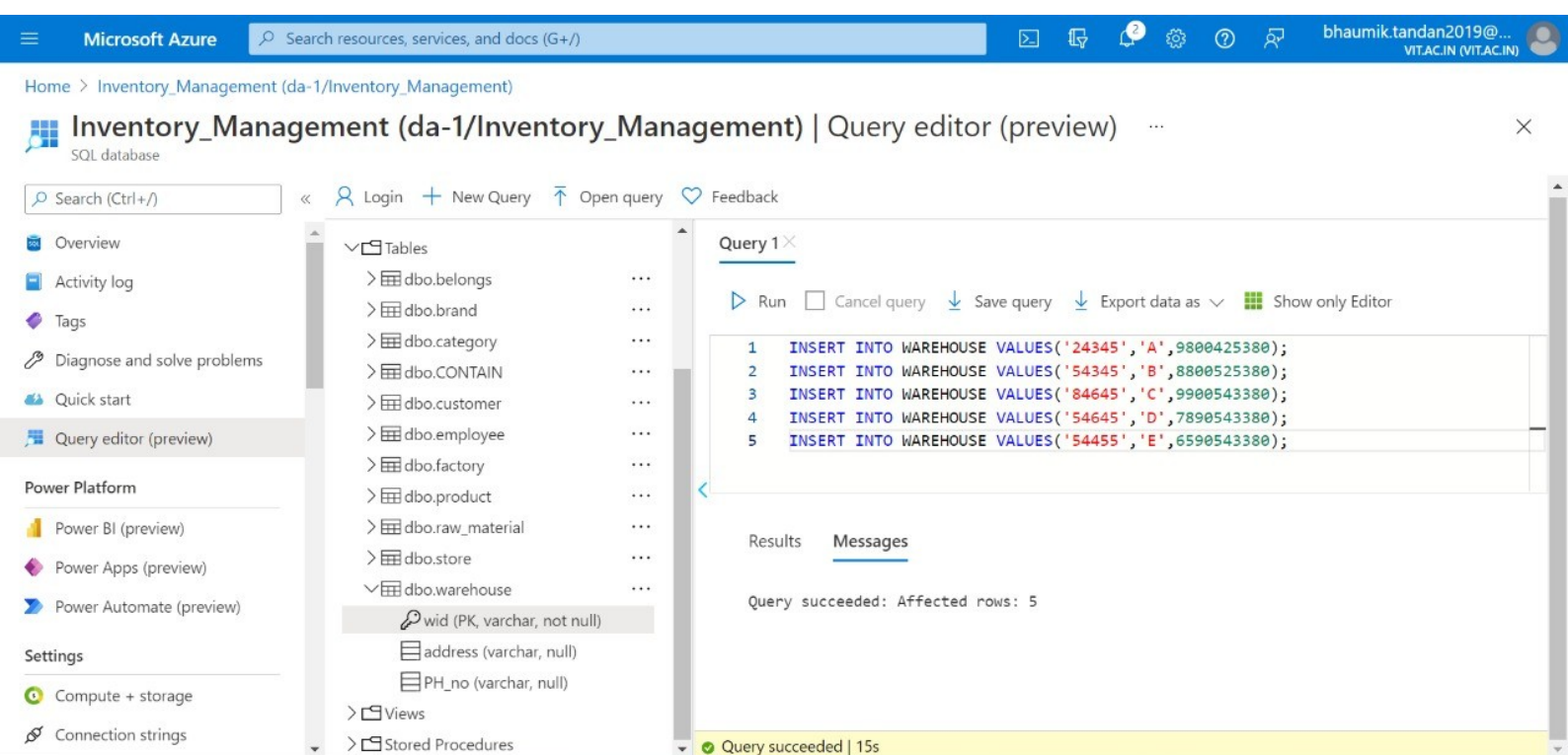
# DATA INSERTION

## WAREHOUSE

### CODE

```
INSERT INTO WAREHOUSE VALUES('24345','A',9800425380);  
INSERT INTO WAREHOUSE VALUES('54345','B',8800525380);  
INSERT INTO WAREHOUSE VALUES('84645','C',9900543380);  
INSERT INTO WAREHOUSE VALUES('54645','D',7890543380);  
INSERT INTO WAREHOUSE VALUES('54455','E',6590543380);
```

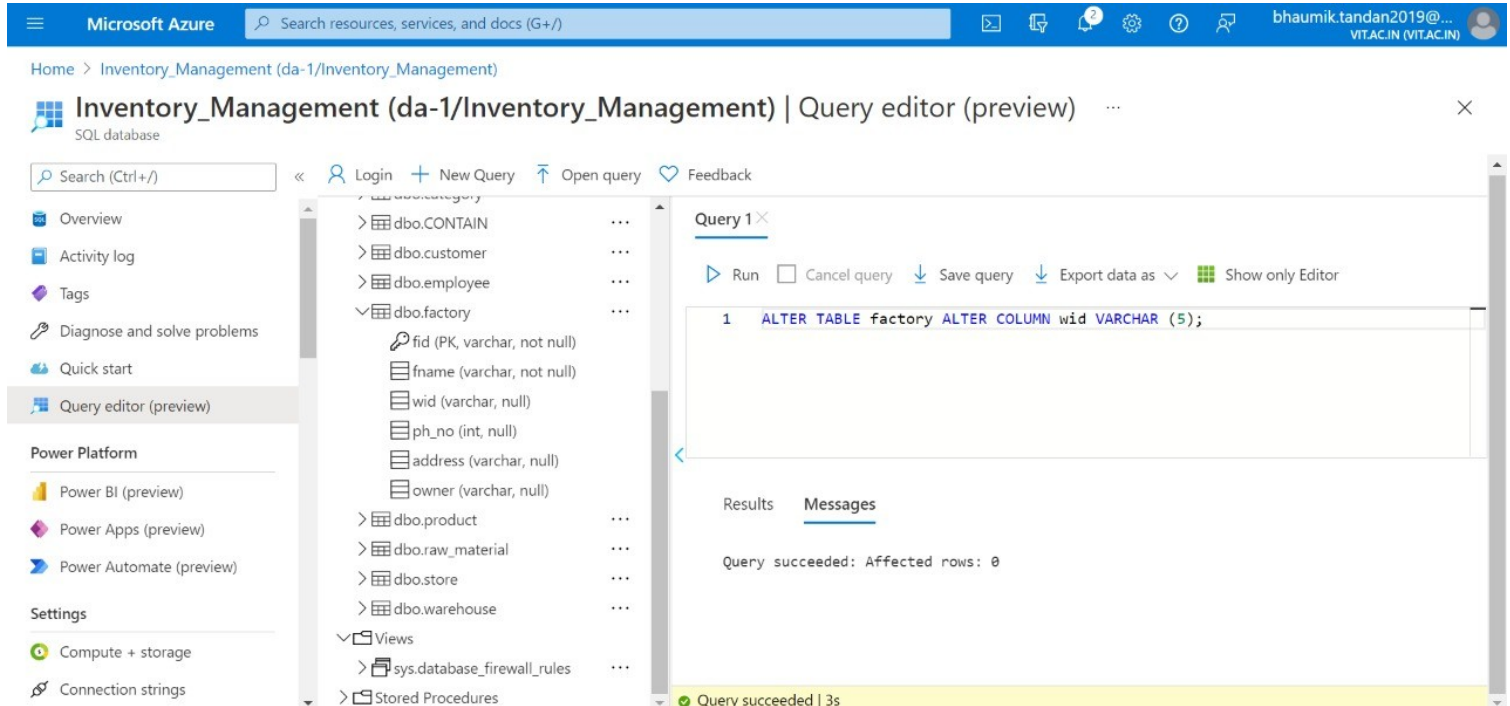
### SCREENSHOT



# FACTORY

## CODE

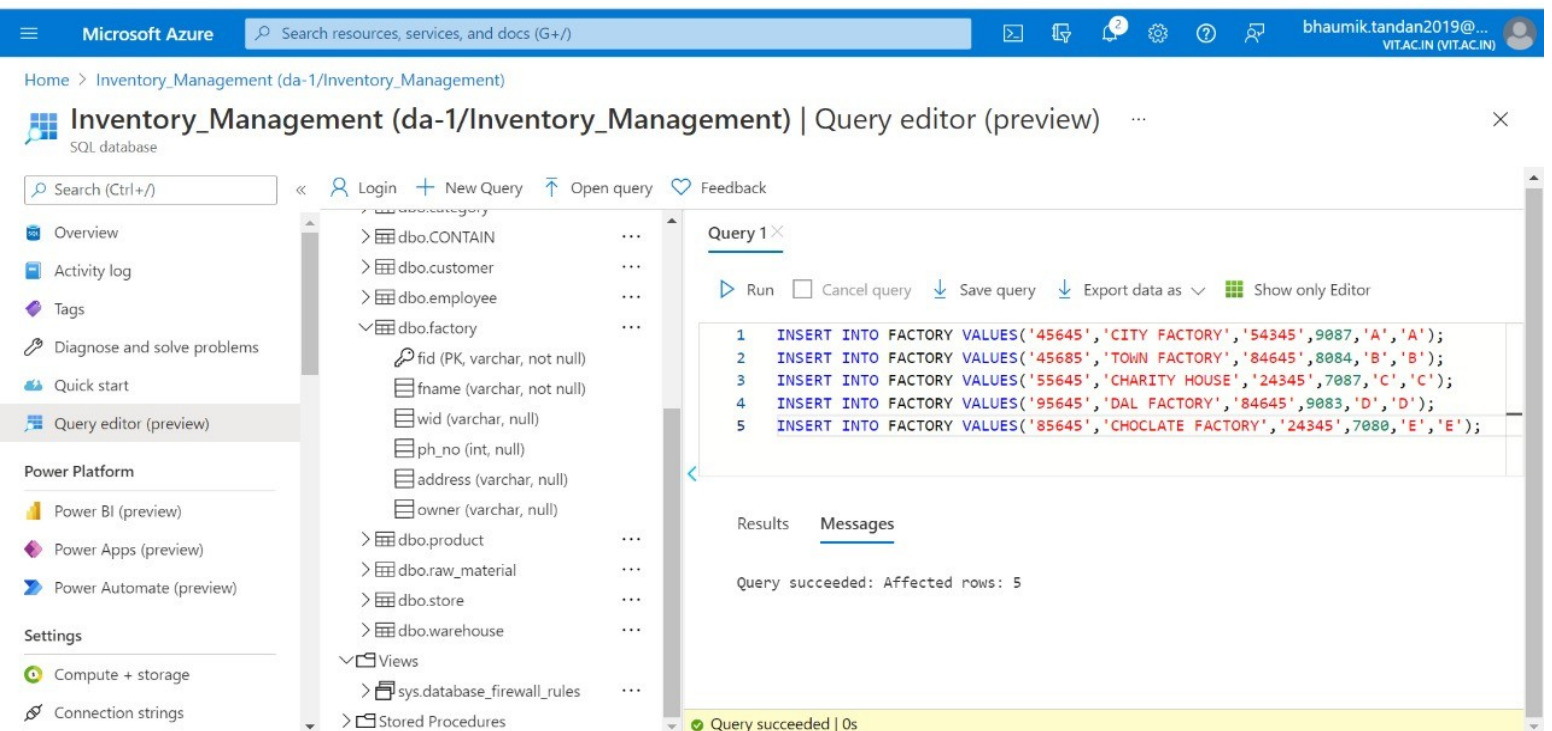
ALTER TABLE factory ALTER COLUMN wid VARCHAR (5);



```
INSERT INTO FACTORY VALUES('45645','CITY  
FACTORY','54345',9087,'A','A');  
INSERT INTO FACTORY VALUES('45685','TOWN  
FACTORY','84645',8084,'B','B');  
INSERT INTO FACTORY VALUES('55645','CHARITY  
HOUSE','24345',7087,'C','C');  
INSERT INTO FACTORY VALUES('95645','DAL  
FACTORY','84645',9083,'D','D');  
INSERT INTO FACTORY VALUES('85645','CHOCCLATE  
FACTORY','24345',7080,'E','E');
```



# SCREENSHOT



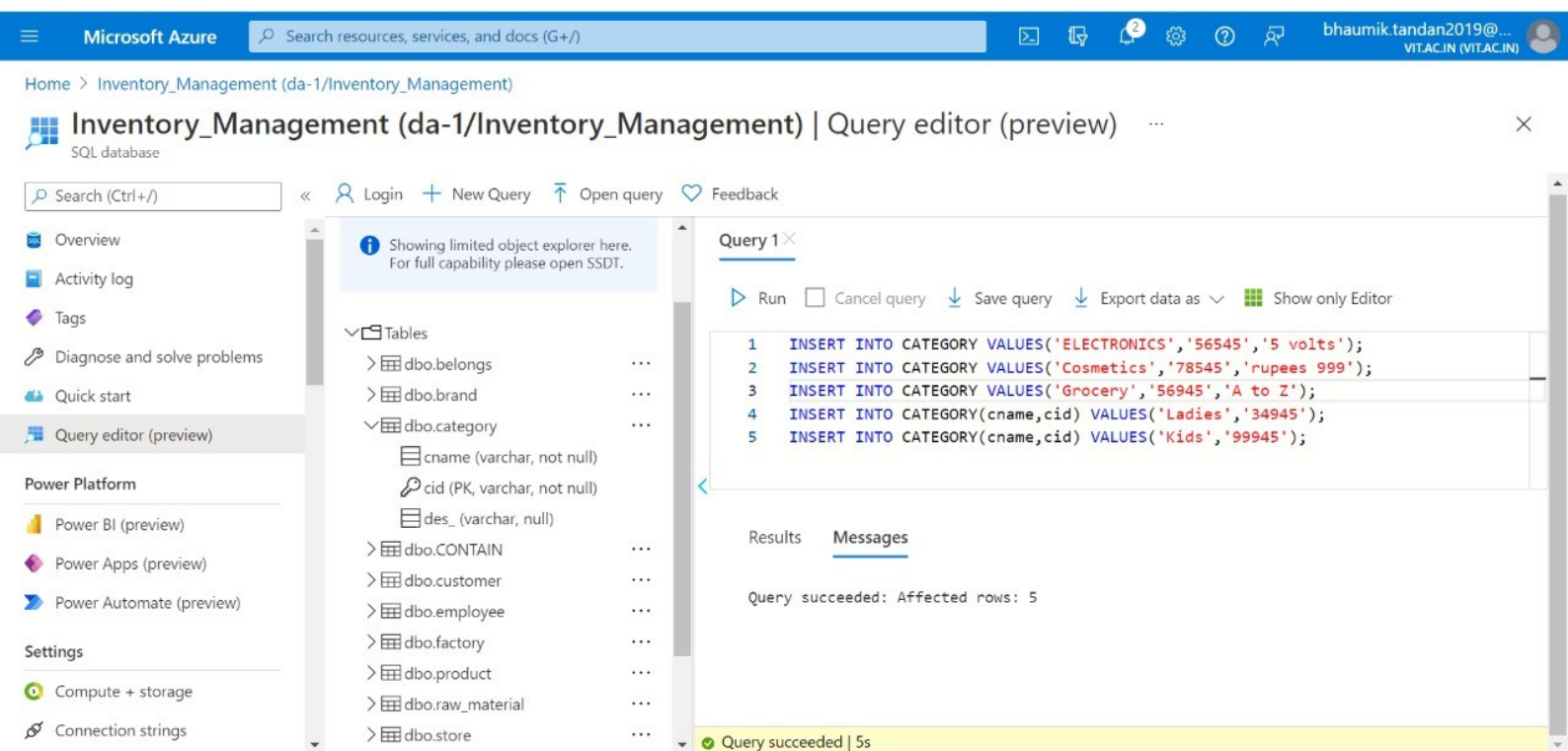
## CATEGORY

## CODE

```
INSERT INTO CATEGORY VALUES ('ELECTRONICS','56545','5 volt s');
INSERT INTO CATEGORY VALUES('Cosmetics','78545','rupees 999');
INSERT INTO CATEGORY VALUES('Grocery','56945','A to Z');
INSERT INTO CATEGORY(cname,cid) VALUES('Ladies','34 945');
INSERT INTO CATEGORY(cname,cid) VALUES('Kids','99945');
```



# SCREENSHOT



## RAW MATERIAL

### CODE

ALTER TABLE RAW\_MATERIAL ALTER  
COLUMN cid VARCHAR (5);

INSERT INTO RAW\_MATERIAL  
VALUES('WOOD',2898,'A','56945');

INSERT INTO  
RAW\_MATERIAL(RNAME,PRICE,CID)  
VALUES('MOTHERBOARD',9898,'56545');

```
INSERT INTO RAW_MATERIAL  
VALUES('SUGARCANE',898,'B','56945');
```

```
INSERT INTO  
RAW_MATERIAL(RNAME,PRICE,CID)  
VALUES('PULSES',98,'56945');
```

```
INSERT INTO  
RAW_MATERIAL(RNAME,PRICE,CID)  
VALUES('COCA',198,'56945');
```

## SCREENSHOT

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area is titled 'Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview)'. The left sidebar contains navigation options like Overview, Activity log, Tags, and Settings. The central pane shows a list of database tables and views, including 'dbo.raw\_material'. The right pane displays the SQL query editor with the following script:

```
1 ALTER TABLE RAW_MATERIAL ALTER COLUMN cid VARCHAR (5);  
2 INSERT INTO RAW_MATERIAL VALUES('WOOD',2898,'A','56945');  
3 INSERT INTO RAW_MATERIAL(RNAME,PRICE,CID) VALUES('MOTHERBOARD',9898,'56545');  
4 INSERT INTO RAW_MATERIAL VALUES('SUGARCANE',898,'B','56945');  
5 INSERT INTO RAW_MATERIAL(RNAME,PRICE,CID) VALUES('PULSES',98,'56945');  
6 INSERT INTO RAW_MATERIAL(RNAME,PRICE,CID) VALUES('COCA',198,'56945');
```

Below the query editor, the 'Results' tab is selected, showing the message: 'Query succeeded: Affected rows: 5'. At the bottom of the screen, a status bar indicates 'Query succeeded | 2s'.

# BELONGS

## CODE

```
ALTER TABLE belongs ALTER COLUMN rname  
VARCHAR (25);  
ALTER TABLE belongs ALTER COLUMN fid  
VARCHAR (5);  
INSERT INTO BELONGS VALUES('COCA','45685');  
INSERT INTO BELONGS  
VALUES('MOTHERBOARD','45645');  
INSERT INTO BELONGS VALUES('WOOD','45685');  
INSERT INTO BELONGS VALUES('PULSES','55645');  
INSERT INTO BELONGS VALUES('PULSES','95645');  
INSERT INTO BELONGS VALUES('COCA','85645');
```

## SCREENSHOT

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for bhaumik.tandan2019@... (VITAC.IN). The main content area is titled 'Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview)'. On the left, there is a sidebar with navigation options: Overview, Activity log, Tags, Diagnose and solve problems, Quick start, and Query editor (preview). The 'Query editor (preview)' section shows a list of tables in the 'dbo' schema, including 'belongs', 'brand', 'category', 'CONTAIN', 'customer', 'employee', 'factory', 'product', 'raw\_material', 'store', and 'warehouse'. The 'belongs' table is selected, and its columns 'rname' and 'fid' are visible. The main area displays the SQL query from the previous block. Below the query, there are buttons for 'Run', 'Cancel query', 'Save query', 'Export data as', and 'Show only Editor'. The 'Results' tab is active, showing 'Query succeeded: Affected rows: 6'. A status bar at the bottom indicates 'Query succeeded | 4s'.

## BRAND

## CODE

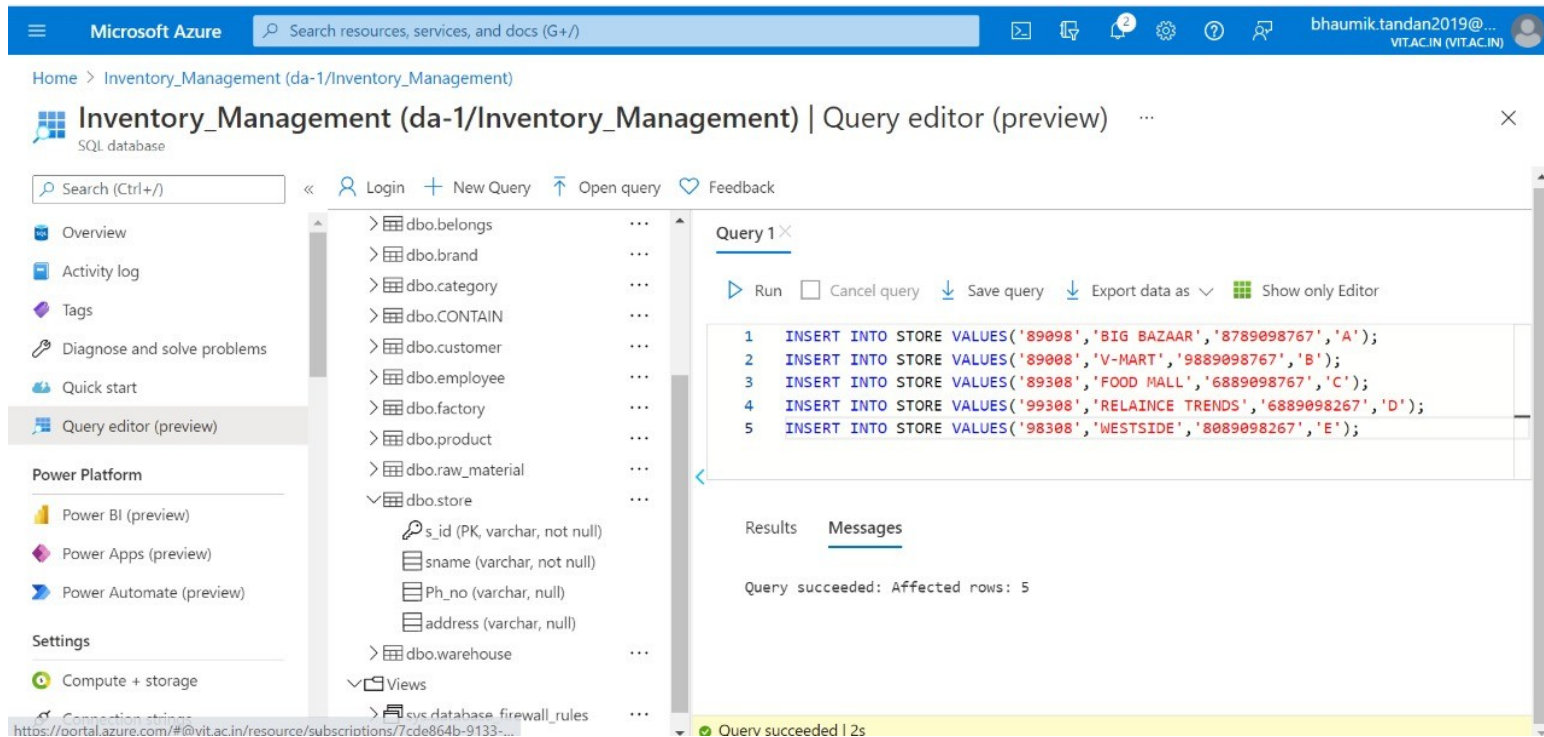
```
INSERT INTO BRAND VALUES('34343','GOLDEN  
HARVEST','9876340756');  
INSERT INTO BRAND  
VALUES('94343','UTTAM','9096340756');  
INSERT INTO BRAND VALUES('74343','TATA','9099040756');  
INSERT INTO BRAND  
VALUES('90343','RELIANCE','8909340756');  
INSERT INTO BRAND  
VALUES('89043','BIRLA','6789040756');
```

## STORE

## CODE

```
INSERT INTO STORE VALUES('89098','BIG  
BAZAAR','8789098767','A');  
INSERT INTO STORE VALUES('89008','V-  
MART','9889098767','B');  
INSERT INTO STORE VALUES('89308','FOOD  
MALL','6889098767','C');  
INSERT INTO STORE VALUES('99308','RELAINCE  
TRENDS','6889098267','D');  
INSERT INTO STORE  
VALUES('98308','WESTSIDE','8089098267','E')
```

# SCREENSHOT



## CONTAIN

## CODE

ALTER TABLE contain ALTER COLUMN pid VARCHAR (5);  
ALTER TABLE contain ALTER COLUMN s\_id VARCHAR (5);

INSERT INTO CONTAIN VALUES('55332','89098','23-AUG-2020');

INSERT INTO CONTAIN VALUES('45432','89098','13-NOV-2019');

INSERT INTO CONTAIN VALUES('55332','89008','25-AUG-2020');

INSERT INTO CONTAIN VALUES('45432','89308','25-AUG-2019');

INSERT INTO CONTAIN VALUES('55332','89308','27-AUG-2020');

```
INSERT INTO CONTAIN VALUES('45382','99308','07-SEP-2018');
INSERT INTO CONTAIN VALUES('45334','98308','17-JUL-2020');
INSERT INTO CONTAIN VALUES('55332','98308','17-SEP-2018')
```

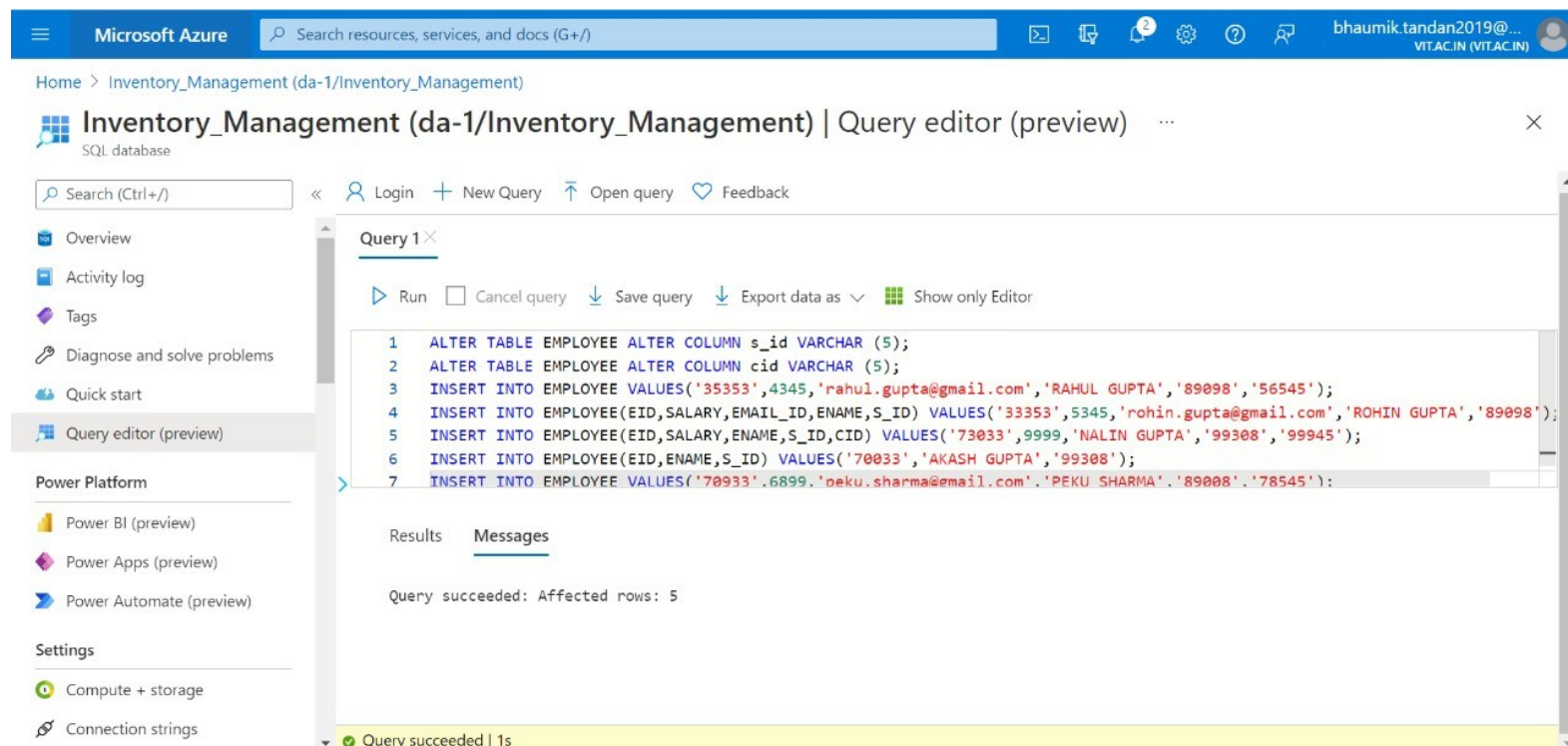
## EMPLOYEE

### CODE

```
ALTER TABLE EMPLOYEE ALTER COLUMN s_id
VARCHAR (5);
ALTER TABLE EMPLOYEE ALTER COLUMN cid VARCHAR
(5);
INSERT INTO EMPLOYEE
VALUES('35353',4345,'rahul.gupta@gmail.com','RAHUL
GUPTA','89098','56545');
INSERT INTO
EMPLOYEE(EID,SALARY,EMAIL_ID,ENAME,S_ID)
VALUES('33353',5345,'rohin.gupta@gmail.com','ROHIN
GUPTA','89098');
INSERT INTO EMPLOYEE(EID,SALARY,ENAME,S_ID,CID)
VALUES('73033',9999,'NALIN GUPTA','99308','99945');
INSERT INTO EMPLOYEE(EID,ENAME,S_ID)
VALUES('70033','AKASH GUPTA','99308');
INSERT INTO EMPLOYEE
VALUES('70933',6899,'peku.sharma@gmail.com','PEKU
SHARMA','89008','78545');
```



# SCREENSHOT



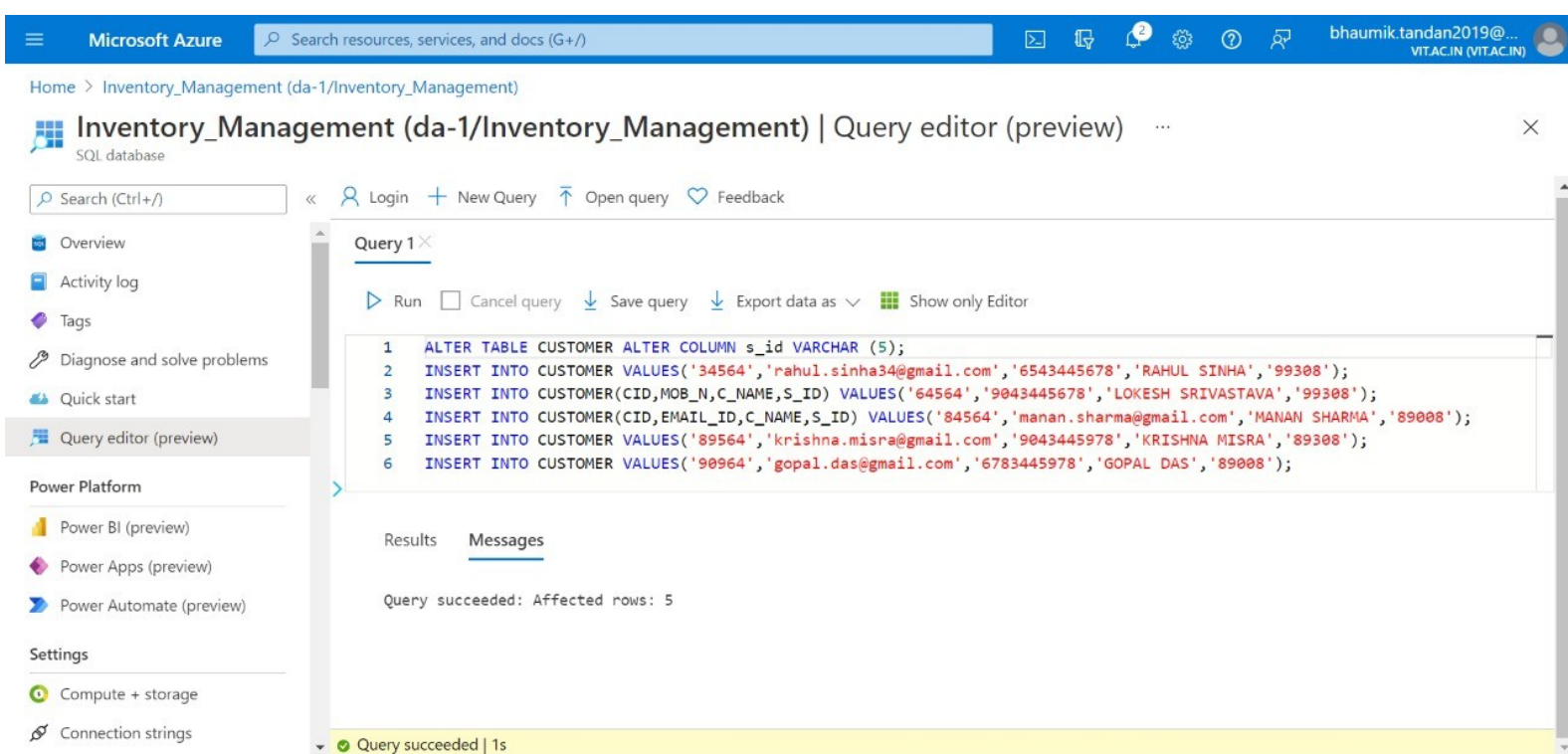
## CUSTOMER

## CODE

```
ALTER TABLE CUSTOMER ALTER COLUMN s_id VARCHAR (5);
INSERT INTO CUSTOMER
VALUES('34564','rahul.sinha34@gmail.com','6543445678','RAHUL
SINHA','99308');
INSERT INTO CUSTOMER(CID,MOB_N,C_NAME,S_ID)
VALUES('64564','9043445678','LOKESH SRIVASTAVA','99308');
INSERT INTO CUSTOMER(CID,EMAIL_ID,C_NAME,S_ID)
VALUES('84564','manan.sharma@gmail.com','MANAN SHARMA','89008');
INSERT INTO CUSTOMER
VALUES('89564','krishna.misra@gmail.com','9043445978','KRISHNA
MISRA','89308');
INSERT INTO CUSTOMER
VALUES('90964','gopal.das@gmail.com','6783445978','GOPAL DAS','89008');
```



# SCREENSHOT



## PRODUCT

## CODE

```
ALTER TABLE PRODUCT ALTER COLUMN pname VARCHAR (20);
ALTER TABLE PRODUCT ALTER COLUMN fid VARCHAR (5);
ALTER TABLE PRODUCT ALTER COLUMN cid VARCHAR (5);
ALTER TABLE PRODUCT ALTER COLUMN bid VARCHAR (5);
INSERT INTO PRODUCT VALUES('45432',1000,'SAMPAN DAL','02-AUG-2007',2,'95645','56945','34343');
INSERT INTO PRODUCT VALUES('45332',9454,'SUPERFAST COMPUTER','06-OCT-2015',10,'45685','56545','90343');
INSERT INTO PRODUCT(PID,PRICE,PNAME,RELEASE_D,FID,CID,BID)
VALUES('55332',20,'DAIRY MILK','05-DEC-2017','85645','99945','74343');
INSERT INTO PRODUCT VALUES('45334',500,'SPONGY SHOES','26-JUN-2017',2,'55645','99945','74343');
INSERT INTO PRODUCT VALUES('45382',2000,'WOMEN SLEEPER','25-NOV-2019',1,'55645','34945','90343');
```

# SCREENSHOT

Microsoft Azure Search resources, services, and docs (G+)

Home > Inventory\_Management (da-1/Inventory\_Management)

Inventory\_Management (da-1/Inventory\_Management) | Query editor (preview)

SQL database

» Login + New Query ↑ Open query ♥ Feedback

Query 1 ×

Run Cancel query Save query Export data as Show only Editor

```
1 ALTER TABLE PRODUCT ALTER COLUMN pname VARCHAR (20);
2 ALTER TABLE PRODUCT ALTER COLUMN fid VARCHAR (5);
3 ALTER TABLE PRODUCT ALTER COLUMN cid VARCHAR (5);
4 ALTER TABLE PRODUCT ALTER COLUMN bid VARCHAR (5);
5 INSERT INTO PRODUCT VALUES('45432',1000,'SAMPAN DAL','02-AUG-2007',2,'95645','56945','34343');
6 INSERT INTO PRODUCT VALUES('45332',9454,'SUPERFAST COMPUTER','06-OCT-2015',10,'45685','56545','90343');
7 INSERT INTO PRODUCT(PID.PRICE.PNAME.RELEASE D.FID.CID.BID) VALUES('55332'.20.'DATRY MILK'.'05-DEC-2017'.'85645'.'99945'.'74343');
```

Results Messages

Query succeeded: Affected rows: 5

Query succeeded | 0s

# PHP APPLICATION

## HOME PAGE

Warehouse Factory Category Raw Materials Brand Store Product Customer Employee Manufacture Stock

## WAREHOUSE

localhost/tables/warehouse.php

### Warehouse

ID	Address	Phone Number
24345	A	9800425380
54345	B	8800525380
54455	E	6590543380
54645	D	7890543380
84645	C	9900543380

# FACTORY

← → ↻ ⓘ localhost/tables/factory.php ☆ ABP 3

## Factory

ID	Factory Name	Warehouse Id	Phone number	Address	Owner
45645	CITY FACTORY	54345	9087	A	A
45685	TOWN FACTORY	84645	8084	B	B
55645	CHARITY HOUSE	24345	7087	C	C
85645	CHOCOLATE FACTORY	24345	7080	E	E
95645	DAL FACTORY	84645	9083	D	D

# CATEGORY

← → ↻ ⓘ localhost/tables/category.php ☆ ABP 3

## Category

Name	ID	Description
Ladies	34945	Not Available
ELECTRONICS	56545	5 volts
Grocery	56945	A to Z
Cosmetics	78545	rupees 999
Kids	99945	Not Available

# RAW MATERIALS

← → ↻ ⓘ localhost/tables/category.php ☆ ABP 3

## Category

Name	ID	Description
Ladies	34945	Not Available
ELECTRONICS	56545	5 volts
Grocery	56945	A to Z
Cosmetics	78545	rupees 999
Kids	99945	Not Available

# BRAND

## Brand

ID	Name	Phone Number
34343	GOLDEN HARVEST	9876340756
74343	TATA	9099040756
89043	BIRLA	6789040756
90343	RELIANCE	8909340756
94343	UTTAM	9096340756

# STORE

## Store

ID	Name	Phone Number	Address
89008	V-MART	9889098767	B
89098	BIG BAZAAR	8789098767	A
89308	FOOD MALL	6889098767	C
98308	WESTSIDE	8089098267	E
99308	RELAINCE TRENDS	6889098267	D

# PRODUCT

## Product

ID	Price	Name	Release date	Warranty	Factory ID	Category ID	Brand ID
45332	9454	SUPERFAST COMPUTER	06-10-15	10	45685	56545	90343
45334	500	SPONGY SHOES	26-06-17	2	55645	99945	74343
45382	2000	WOMEN SLEEPER	25-11-19	1	55645	34945	90343
45432	1000	SAMPAN DAL	02-08-07	2	95645	56945	34343
55332	20	DAIRY MILK	05-12-17	Not Available	85645	99945	74343

# CUSTOMER

localhost/tables/customer.php



## Customer

ID	Email ID	Name	Phone number	Store ID
34564	rahul.sinha34@gmail.com	6543445678	RAHUL SINHA	99308
64564	Not Available	9043445678	LOKESH SRIVASTAVA	99308
84564	manan.sharma@gmail.com	Not Available	MANAN SHARMA	89008
89564	krishna.misra@gmail.com	9043445978	KRISHNA MISRA	89308
90964	gopal.das@gmail.com	6783445978	GOPAL DAS	89008

# EMPLOYEE

localhost/tables/employee.php



## Employee

ID	Salary	Email ID	Store ID	Customer ID	
33353	5345	rohin.gupta@gmail.com	ROHIN GUPTA	89098	Not Available
35353	4345	rahul.gupta@gmail.com	RAHUL GUPTA	89098	56545
70033	Not Available	Not Available	AKASH GUPTA	99308	Not Available
70933	6899	peku.sharma@gmail.com	PEKU SHARMA	89008	78545
73033	9999	Not Available	NALIN GUPTA	99308	99945

# MANUFACTURE

localhost/tables/belongs.php



## Manufactures

actory Name	Raw Material
CHARITY HOUSE	PULSES
CHOCCLATE FACTORY	COCA
CITY FACTORY	MOTHERBOARD
DAL FACTORY	PULSES
TOWN FACTORY	COCA
	WOOD

# STOCK

localhost/tables/contain.php



## Stock

Shop Name	Product Name
BIG BAZAAR	DAIRY MILK
	SAMPAN DAL
FOOD MALL	SAMPAN DAL
	DAIRY MILK
RELAINCE TRENDS	WOMEN SLEEPER
V-MART	DAIRY MILK
WESTSIDE	SPONGY SHOES
	DAIRY MILK

**CLICK HERE**

**FOR THE**

**GITHUB**

**LINK OF**

**THE WHOLE**

**SOURCE**

**CODE**