# **Burger Bash SQL Case Study – Documentation**

# 1. Project Objective

The purpose of this case study is to analyze burger order and delivery data from a fictional business called Burger Bash.

## 2. Tools Used

✓ **SQL Platform:** Microsoft SQL Server (SSMS)

✓ Language: T-SQL (Transact-SQL)

✓ **Data Source:** Manually inserted via SQL INSERT statements

✓ Environment: Windows PC, SSMS interface

### 3. Schema Creation

#### 3.1 Create Database

```
Create_db.sq...\Ragavi(58)) = X

CREATE DATABASE burger_bash_db;

Go
USE burger_bash_db;

Go

No issues found

**Messages**

Commands completed successfully.

Completion time: 2025-87-2011:21:18.7701715+05:39
```

### 4. Table Creation

Created 4 tables in total using SQL Server-compatible data types.

### 4.1 burger\_names

```
Durger_names..Ragavi (74))* 

deate_dbsql=\Ragavi (74))* 

create_table_burger_names

CREATE_TABLE_burger_names

CREATE_TABLE_burger_names

burger_id_INT NOT NULL_PRIMARY_KEY,
burger_name VARCHAR(10) NOT NULL

SELECT * FROM burger_names;

No issues found

No issues found

burger_name

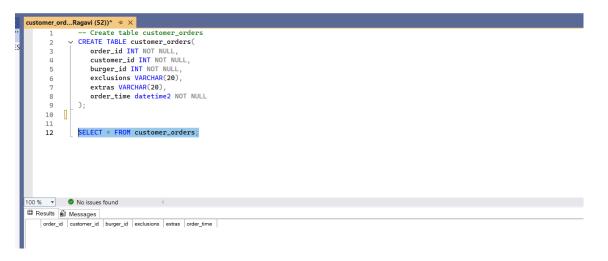
Ltc 8
```

### 4.2 runner\_orders

## 4.3 burger\_runner



### 4.4 customer\_orders



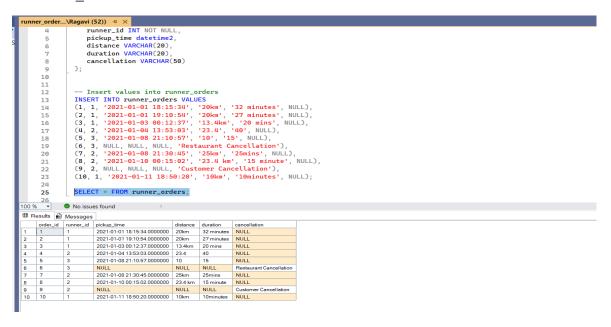
# 5. Data Insertion

Each table was populated manually using INSERT INTO statements.

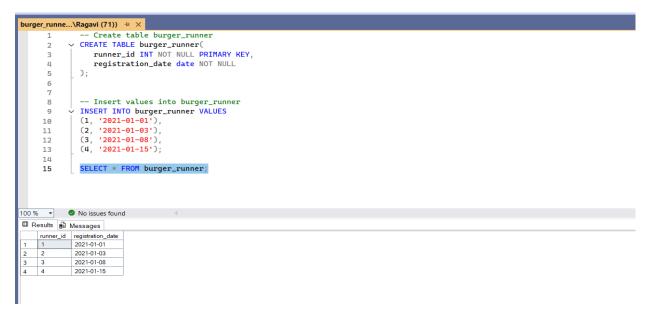
#### 5.1 burger names



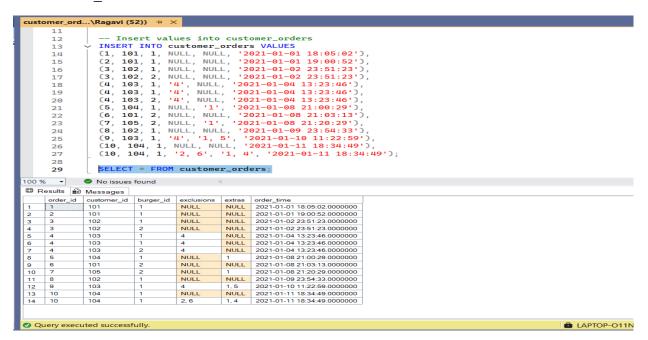
### 5.2 runner orders



#### 5.3 burger runner



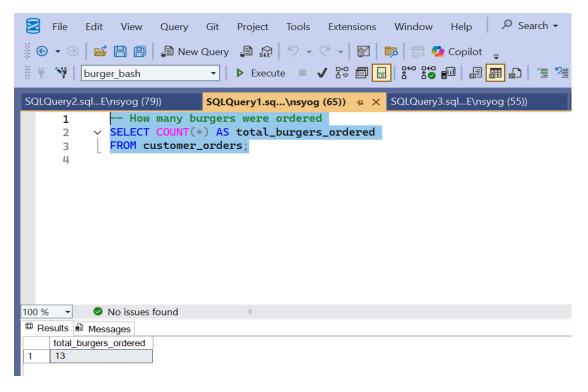
### 5.4 customer orders



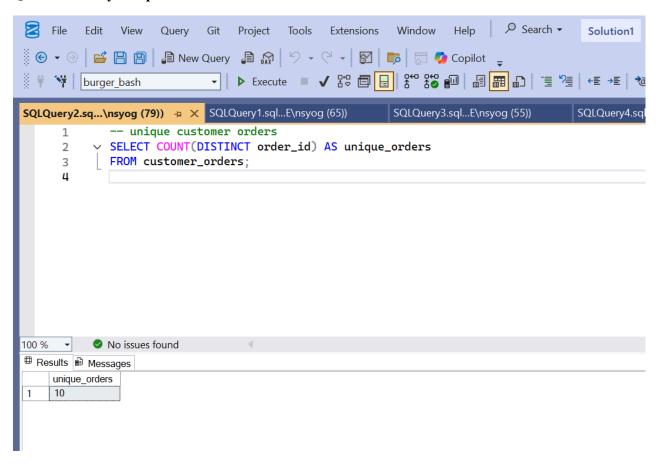
## 6. Analysis

The following queries were written and executed to analyze Burger Bash operations.

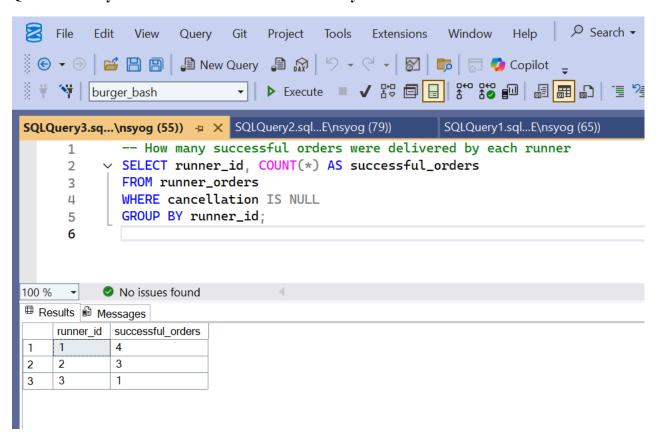
### Q1: How many burgers were ordered?



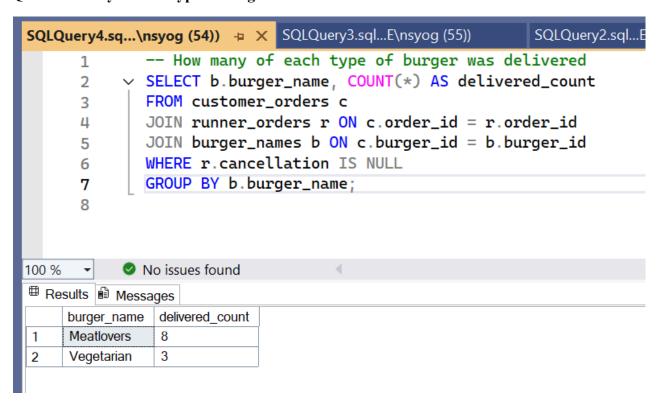
### Q2: How many unique customer orders were made?



Q3: How many successful orders were delivered by each runner?



Q4: How many of each type of burger was delivered?



### Q5: How many Vegetarian and Meatlovers were ordered by each customer?

