



*Semester Project*

# *Bank Management System*

Group Members:

Mahnoor Javaid	2020-BSE-015
Amna Ismaeel Abbasi	2020-BSE-040
Laiba Amir	2020-BSE-048
Ramsha Batool	2020-BSE-059

Semester/ Section: BSE-4B

Submitted to:

Dr. Irum Matloob

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# FEASIBILITY REPORT

## OBJECTIVE:

The Bank Management System is an application for maintaining a person's account in a bank. In this project I tried to show the working of a banking account system and cover the basic functionality of a Bank Account Management System. The main aim of this project is to develop software for Bank Management System.

## SCOPE:

Depending on the bank's policies, bank personnel and customers can utilize the Banking Management System. It can be utilized by multiple employees at the same time if they have the necessary permissions. Any web browser with a graphical interface can be used to access it.

## INTRODUCTION

Bank Management System is based on a concept of recording customer's account details. Here the user can perform all the tasks like creating an account, deposit amount, withdraw amount, check balance, view all account holder detail, close an account, delete account modify an account. There's no login system for this project. All the main features for banking system are set in this project.

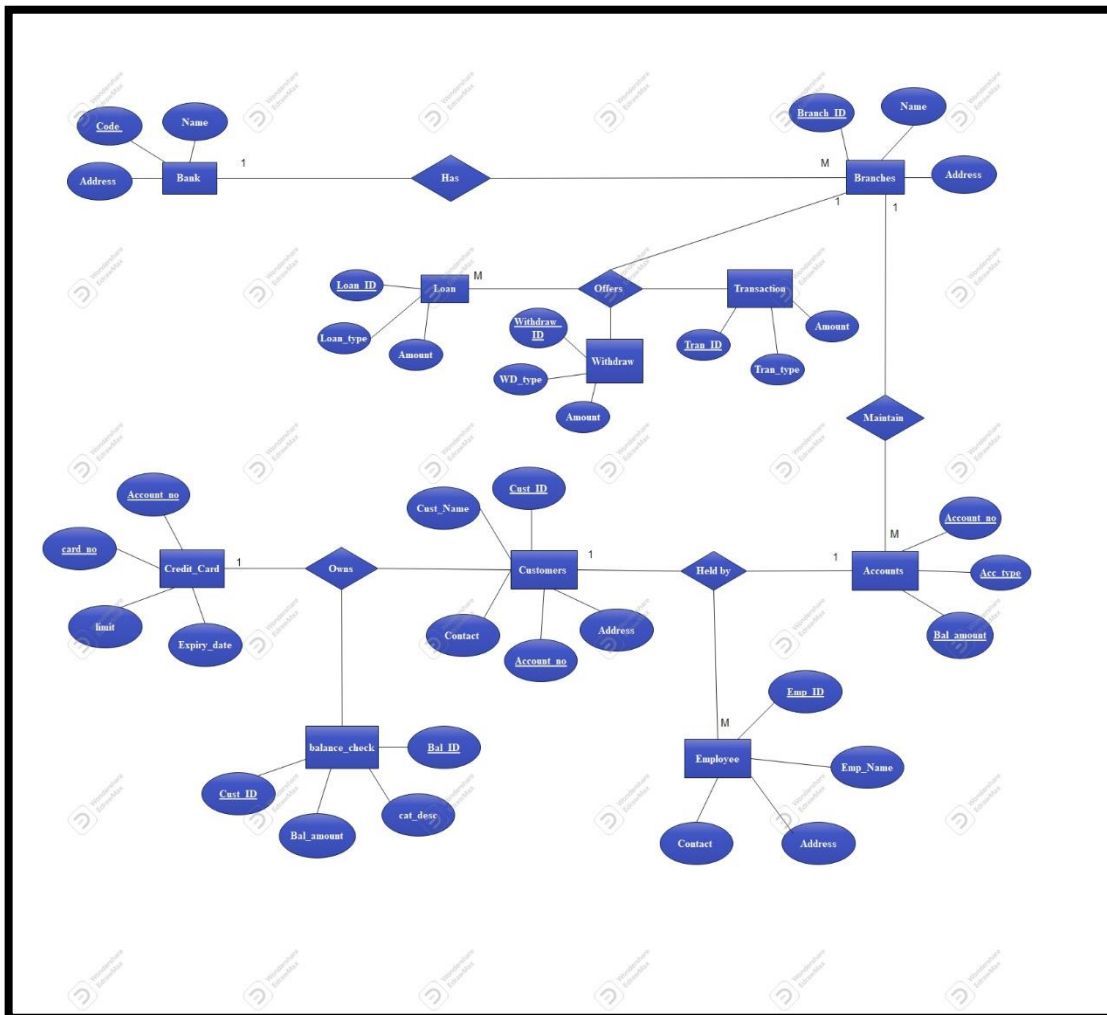
Talking about the features of the Bank Management System, a user can create an account by providing the name of the account holder, account number, select amount type whether it's **Saving account or Current account** and providing an initial amount. Then the user can also deposit and withdraw money just by providing his/her account, then the system displays his/her profile and entering an amount. For certain purpose, he/she can also check for the balance inquiry which displays the account holder's name with account number type and amount. He/she can also check for all the account holder's list. Another feature is that the user can also close/delete their account by providing their account number and he/she can modify their account detail and type if they want to.

## FEATURES:

The features included in the system ER diagram were the security and monitoring of the customer records, transactions, and status.

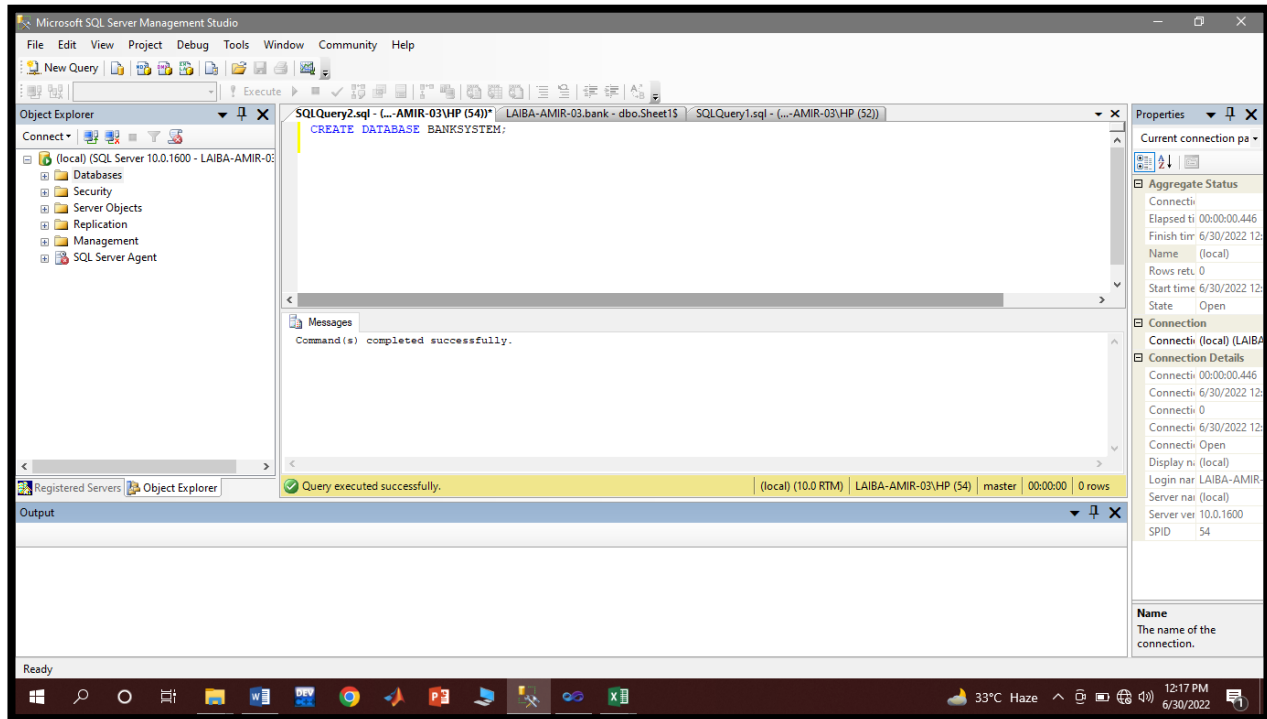
- Create an account
- Transaction
- Balance Enquiry
- List account holder's detail
- Delete an account
- Update an account
- Exit from account

## ER-Diagram



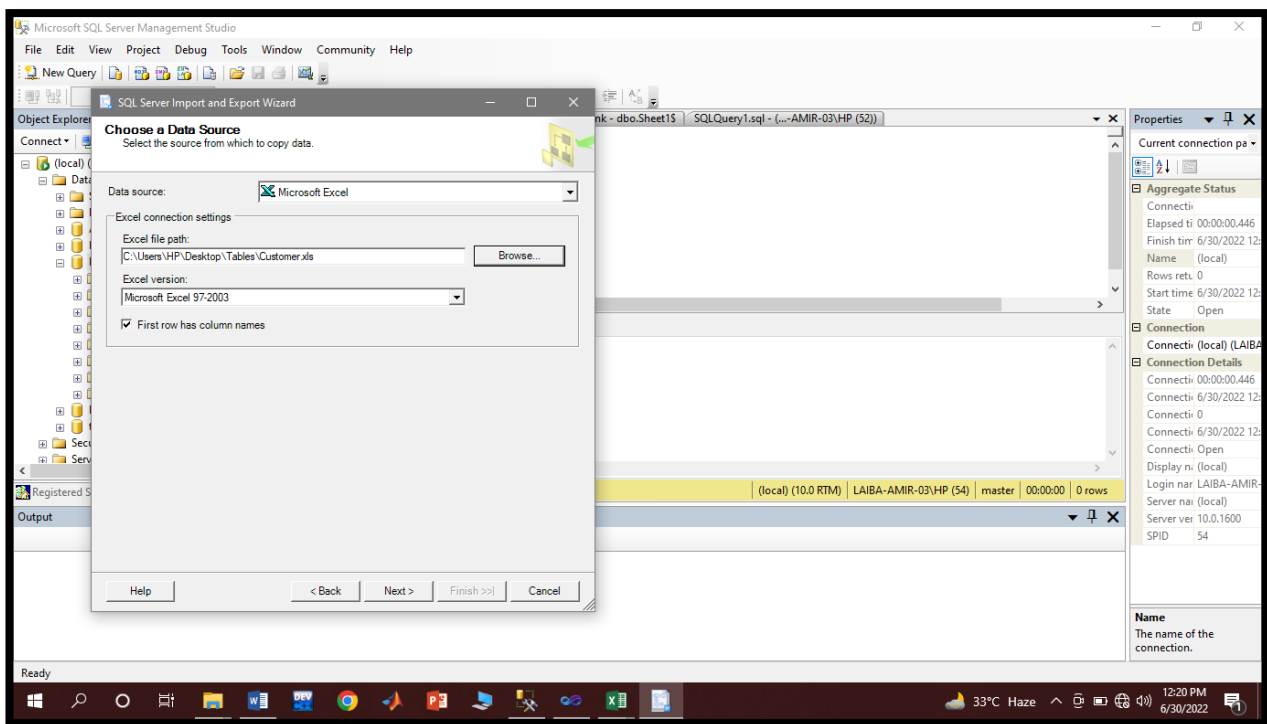
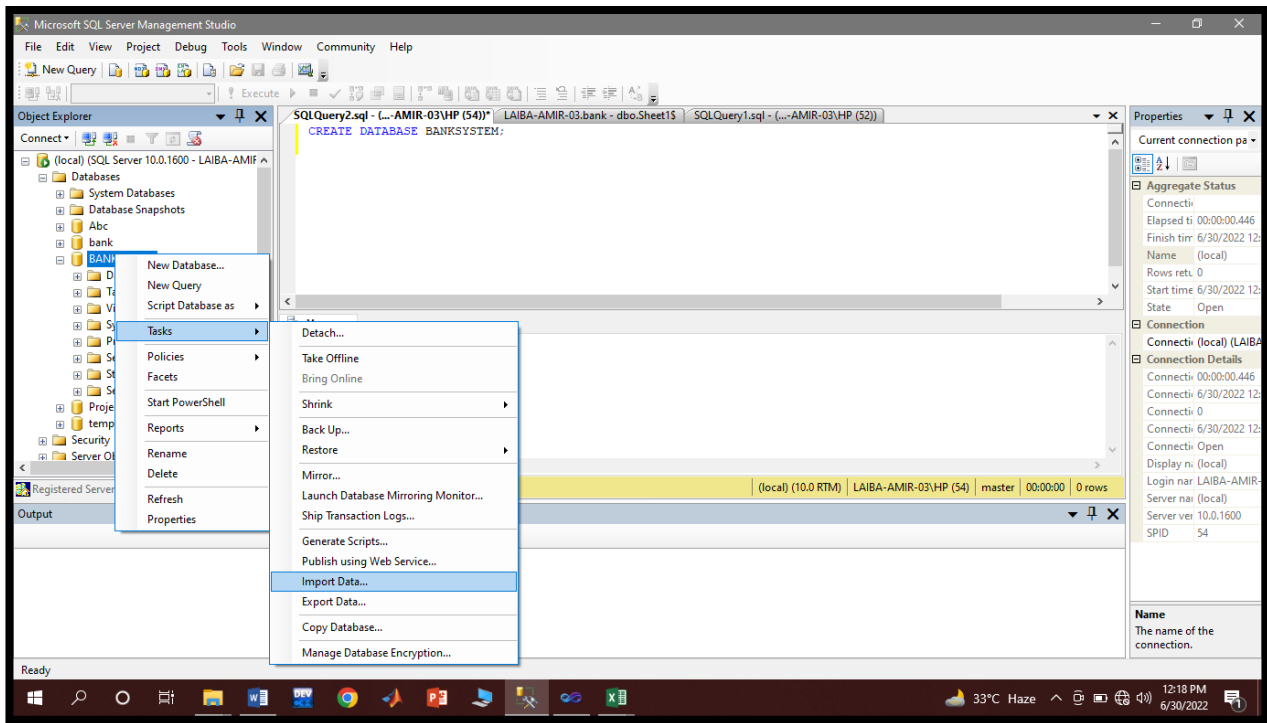
## CODE AND QUERIES

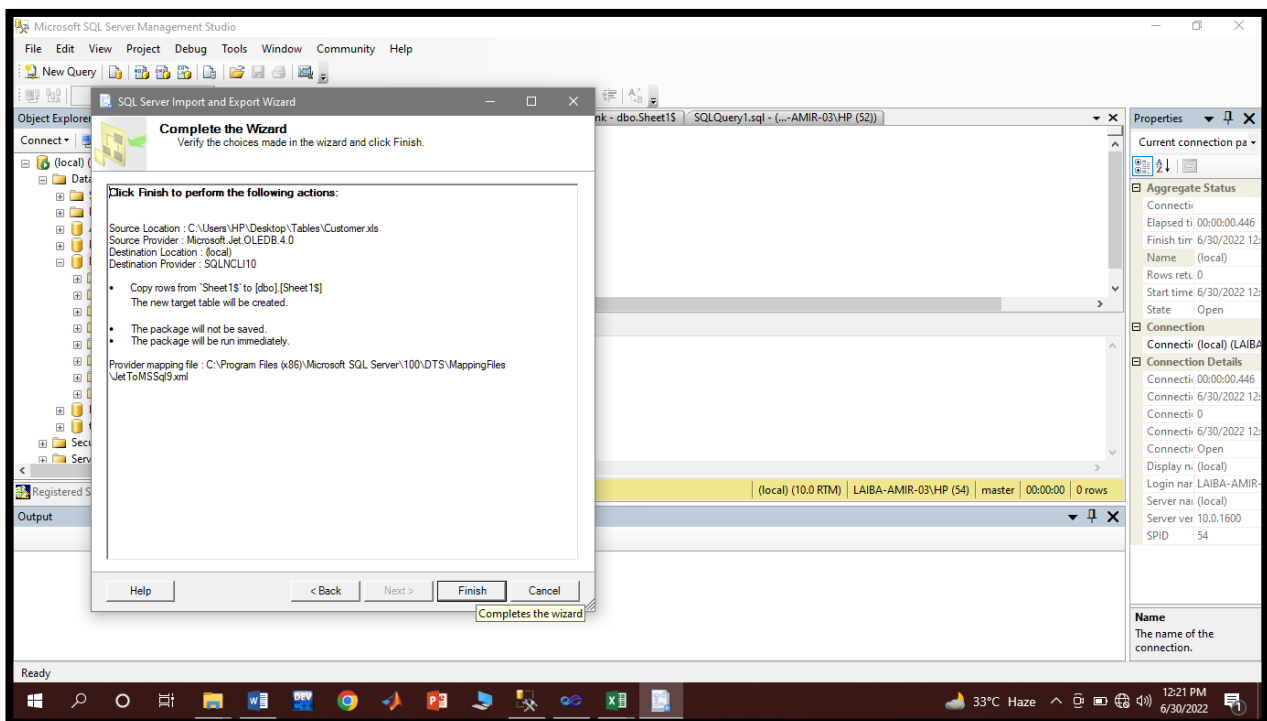
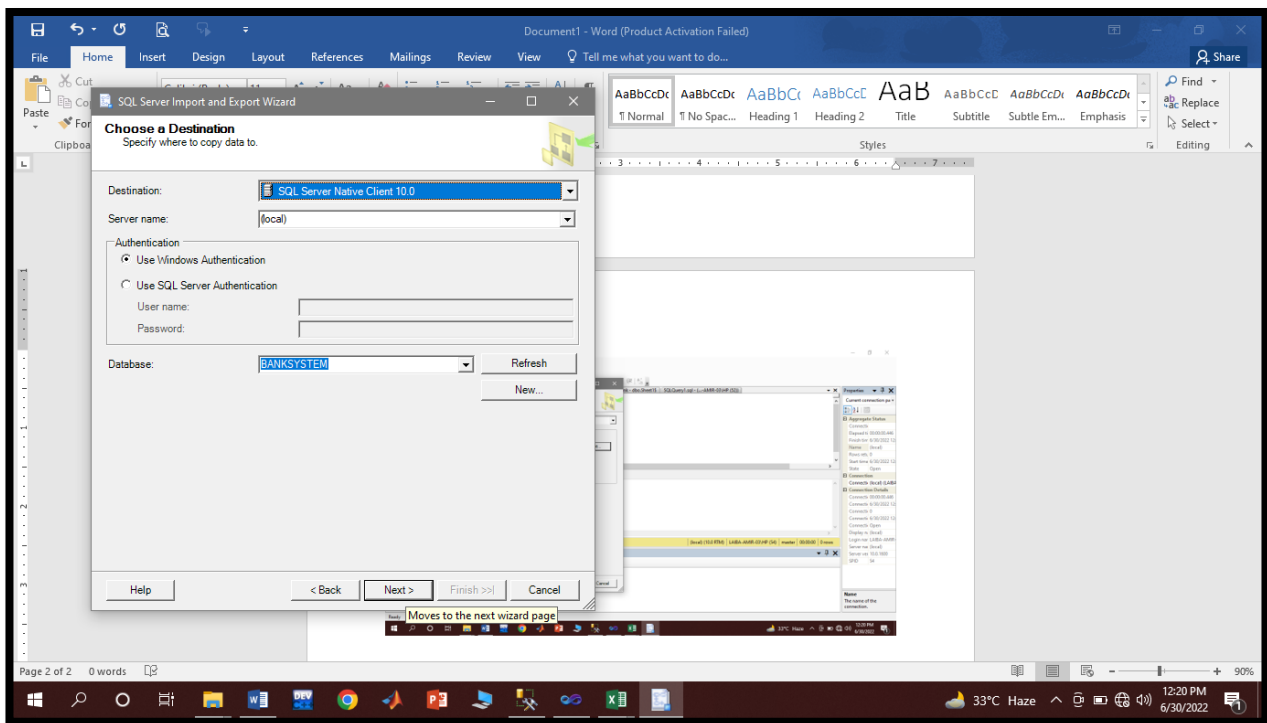
- Creating Database in Microsoft SQL Server Management Studio.

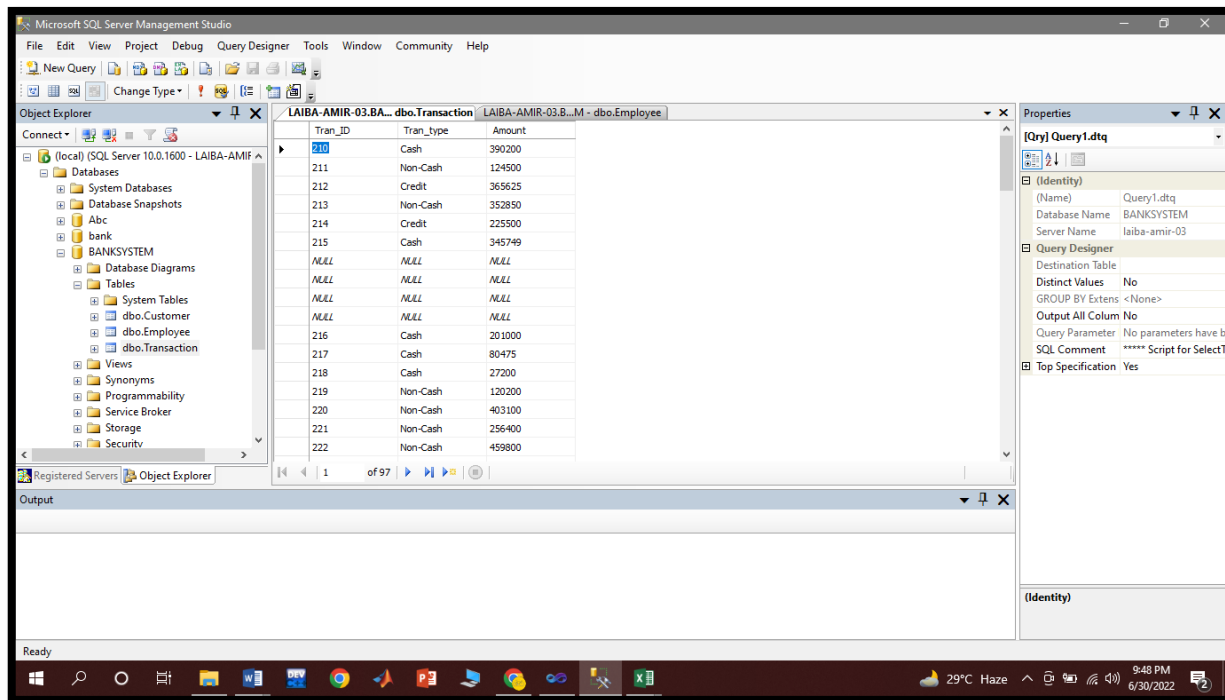
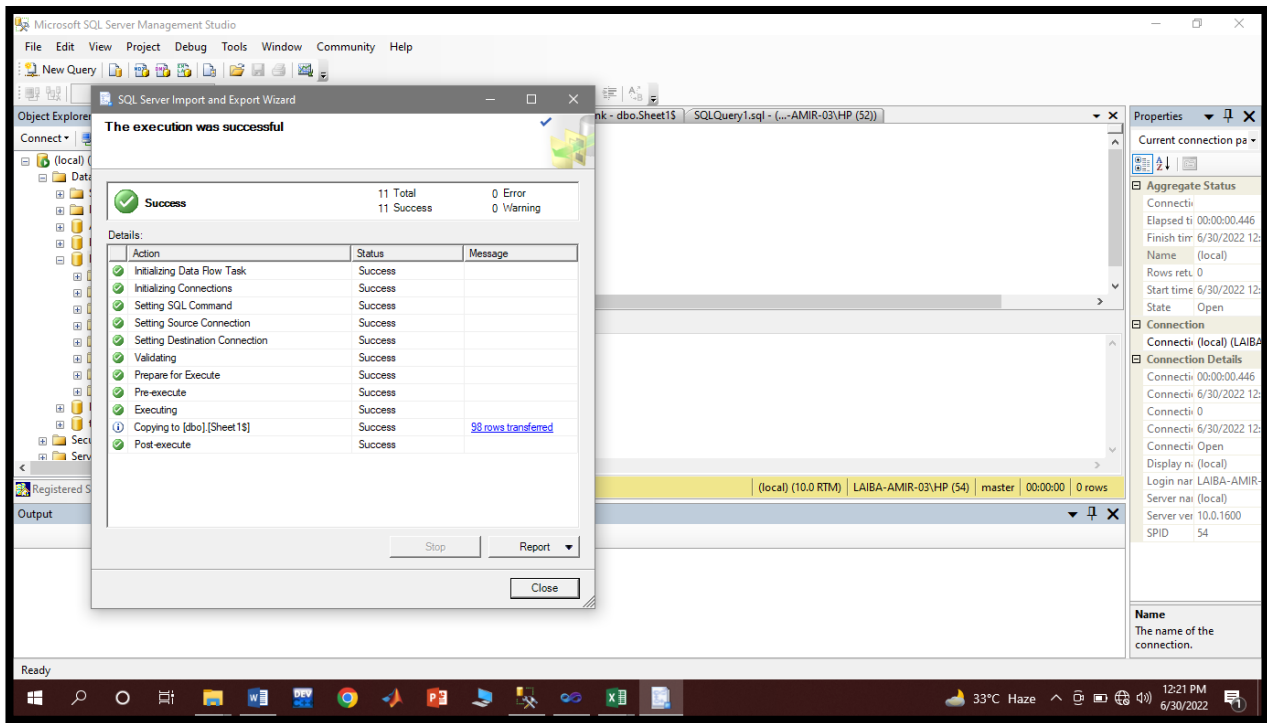


### Importing data set from excel to Microsoft SQL Management Server

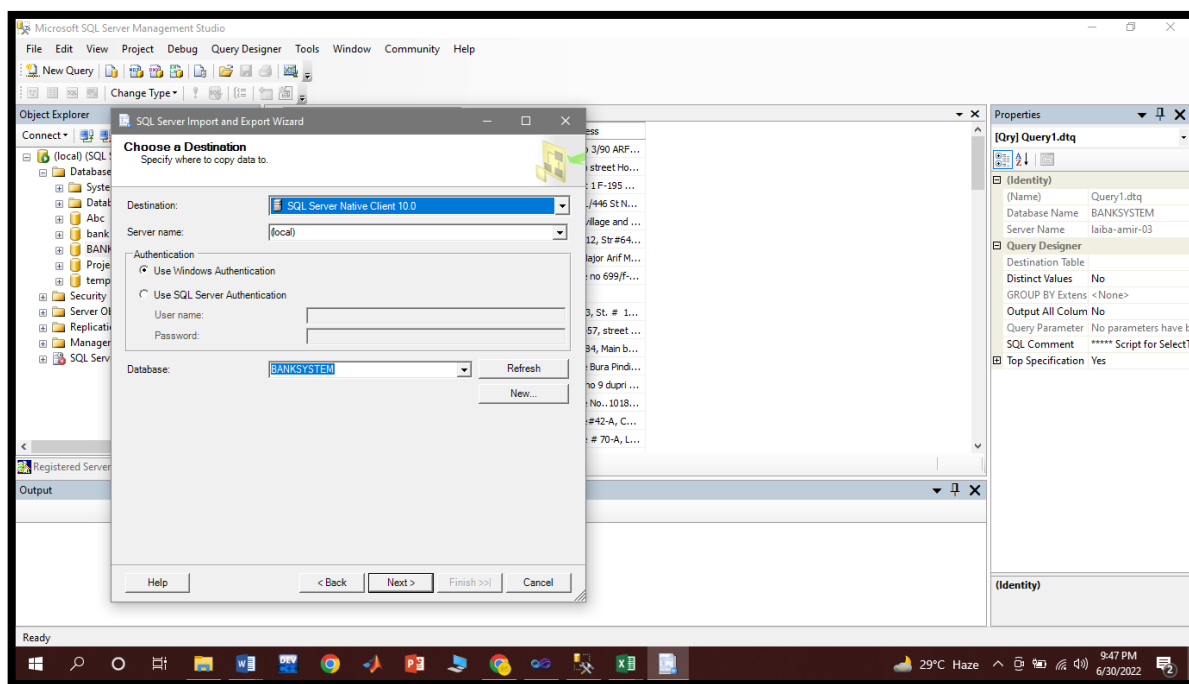
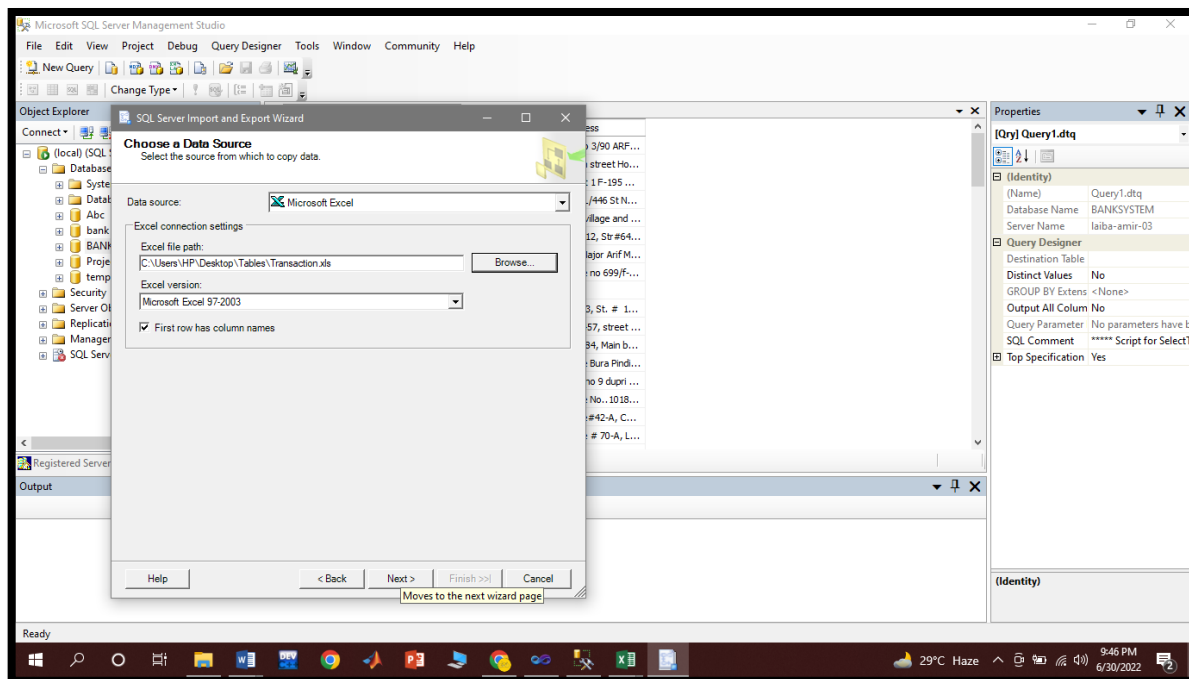
- Choosing a data source
- Selecting destination
- Executing to import the dataset.

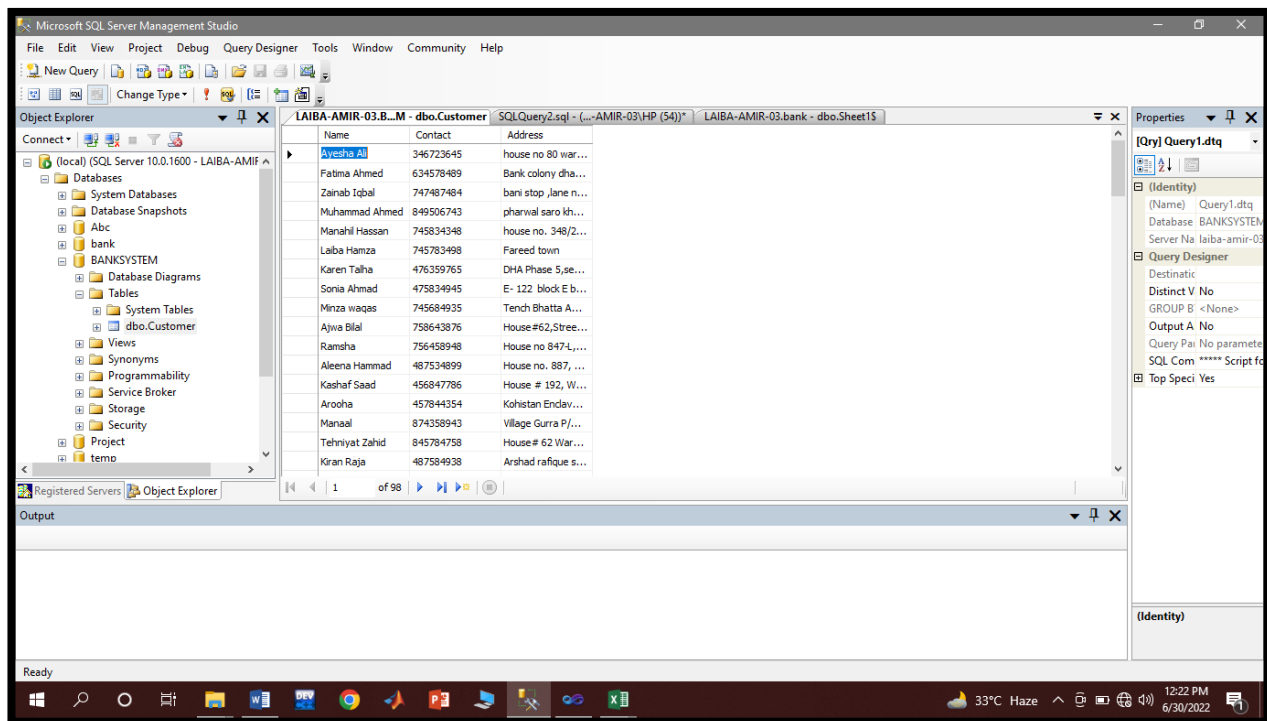
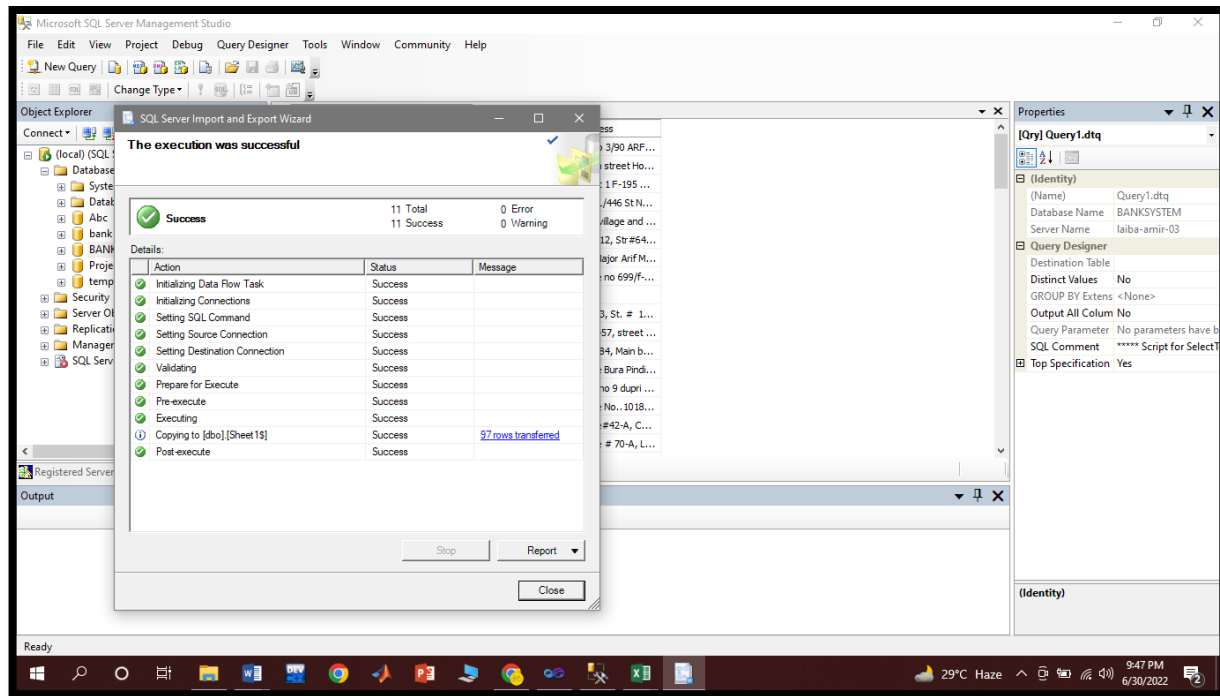




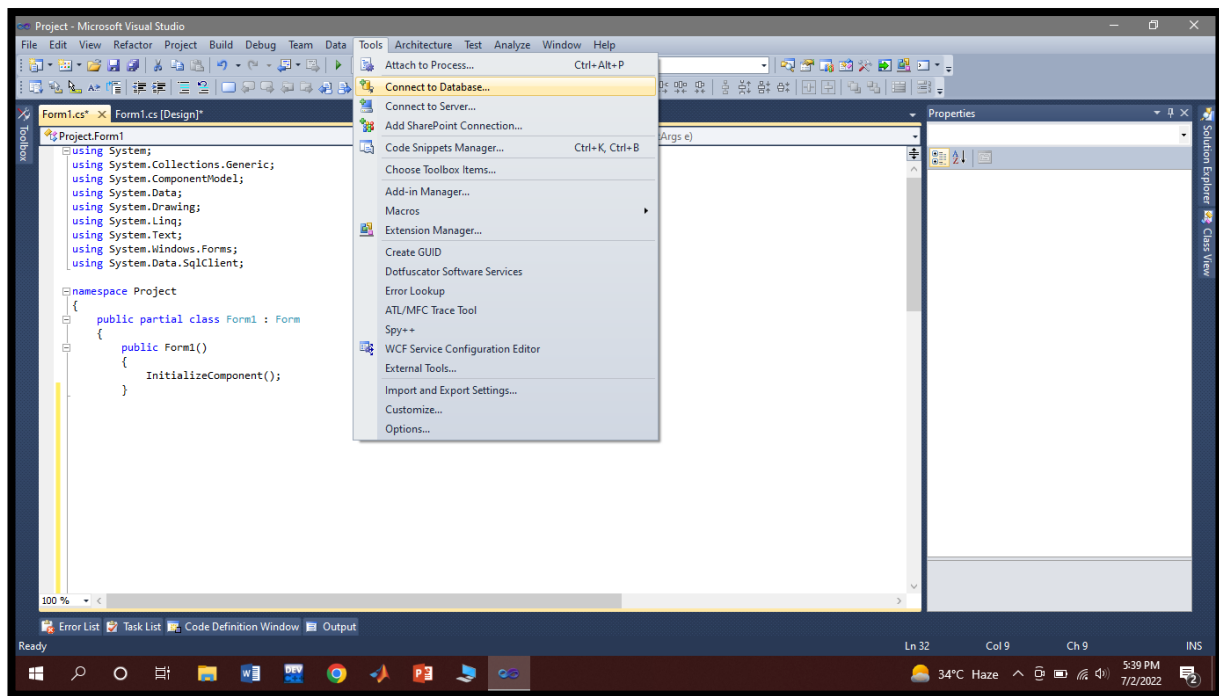
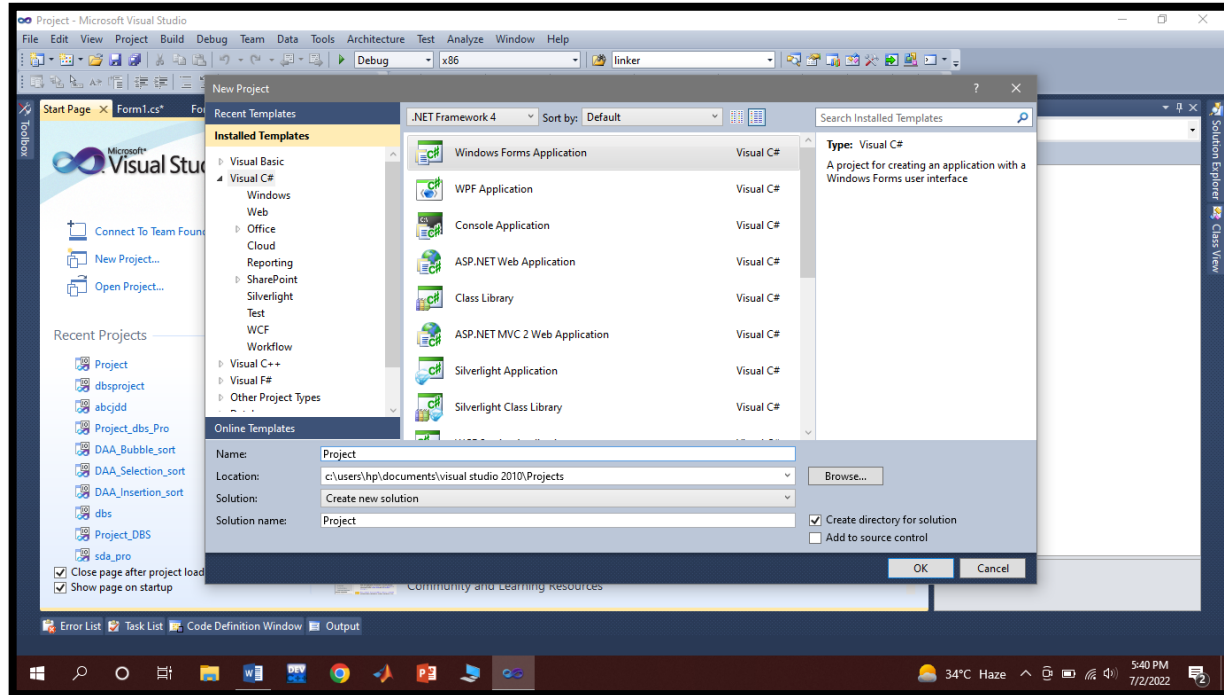


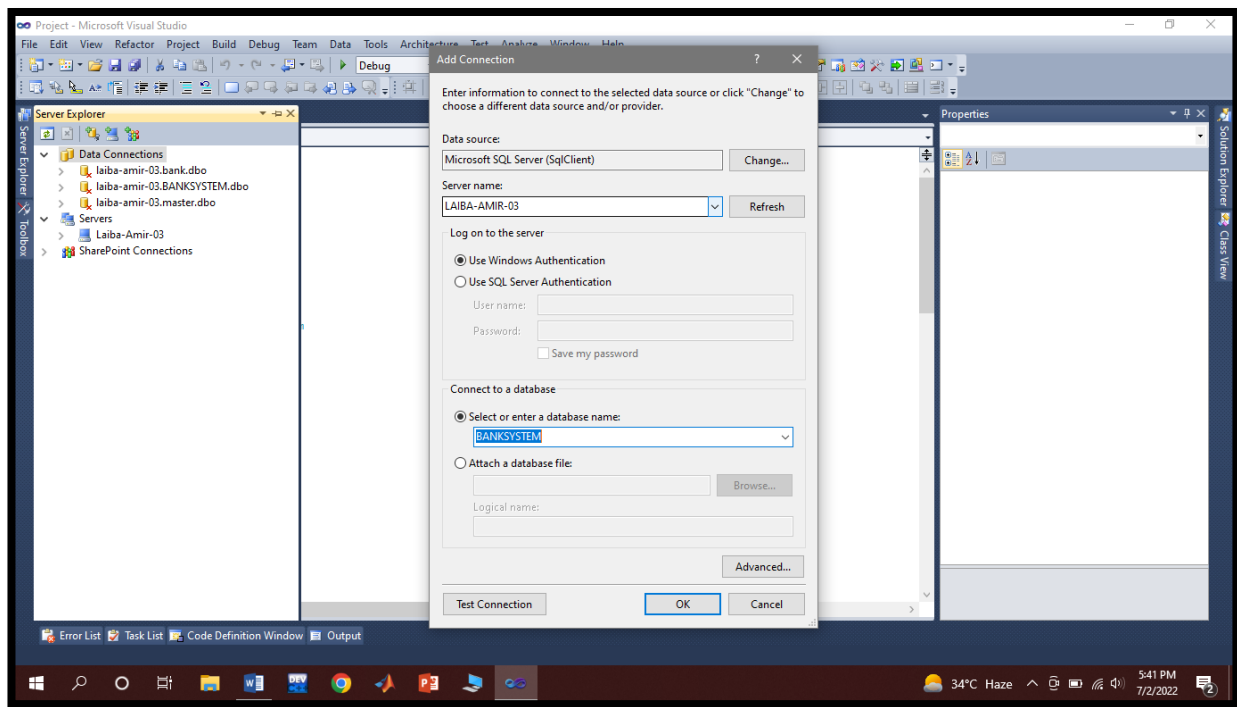




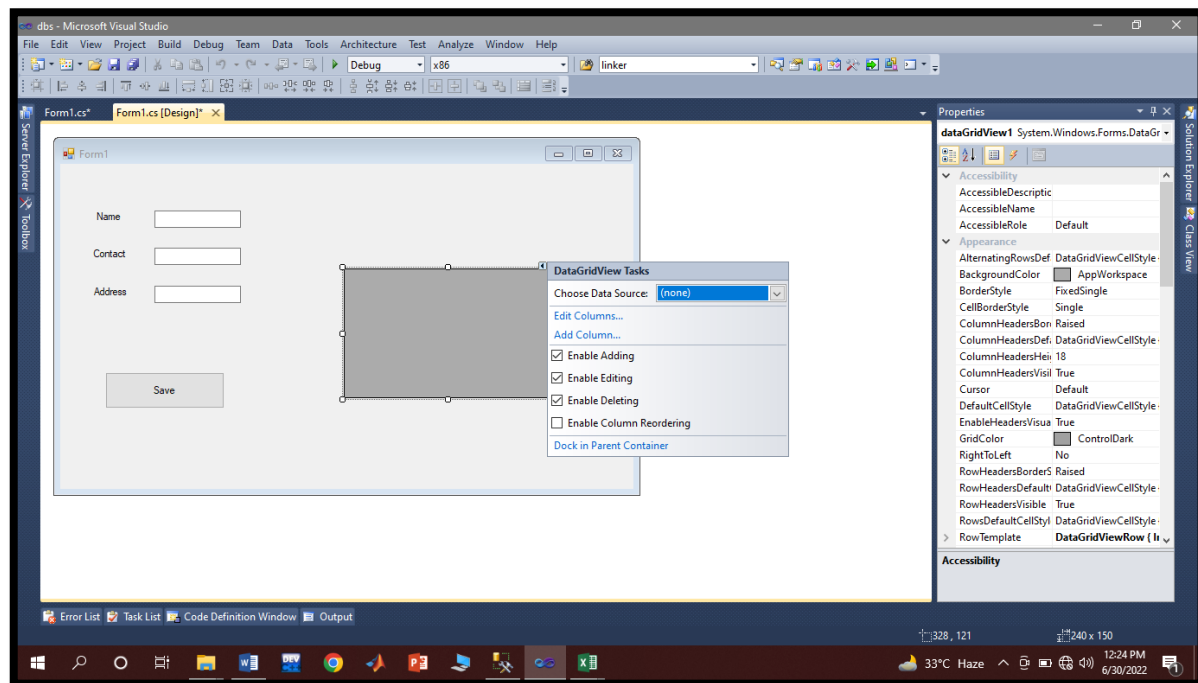


# CONNECTING MICROSOFT SQL MANAGEMENT STUDIO TO MICTOSOFT VISUAL STUDIO

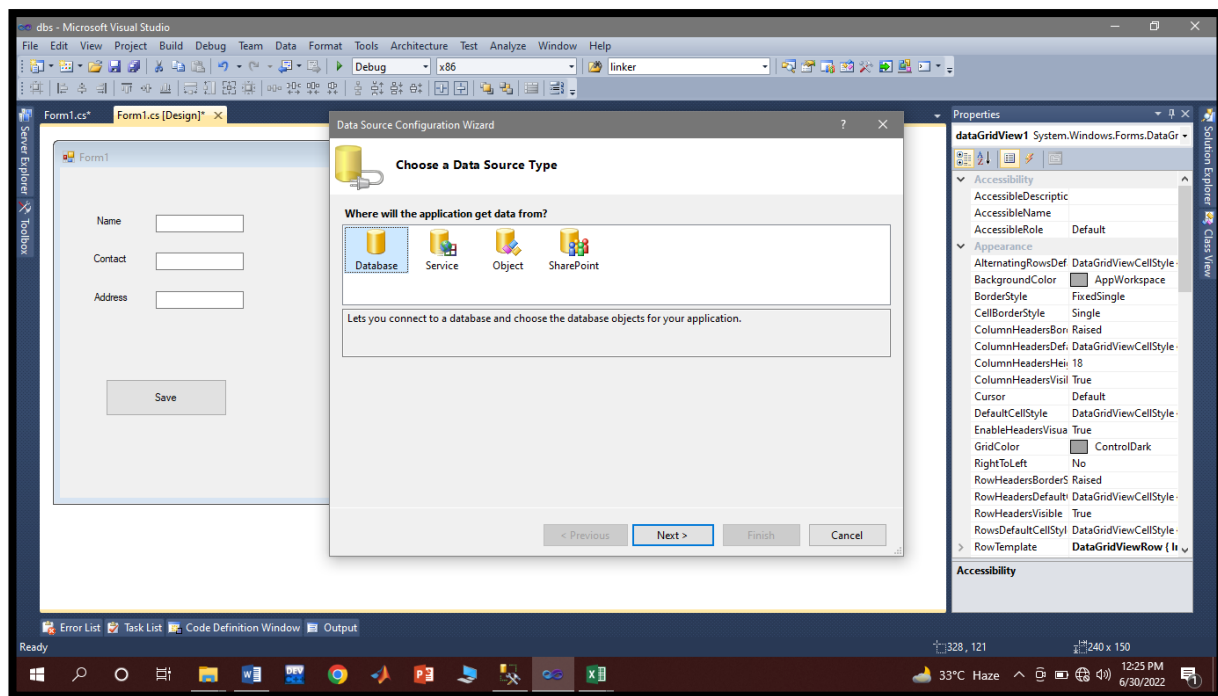
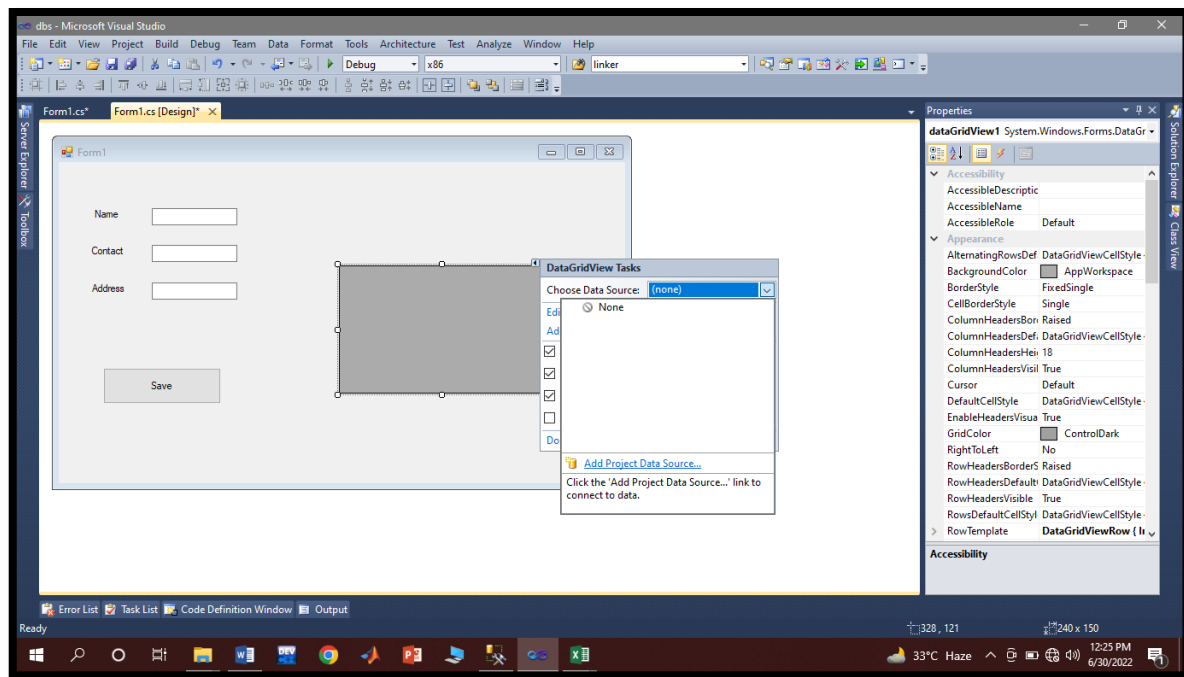


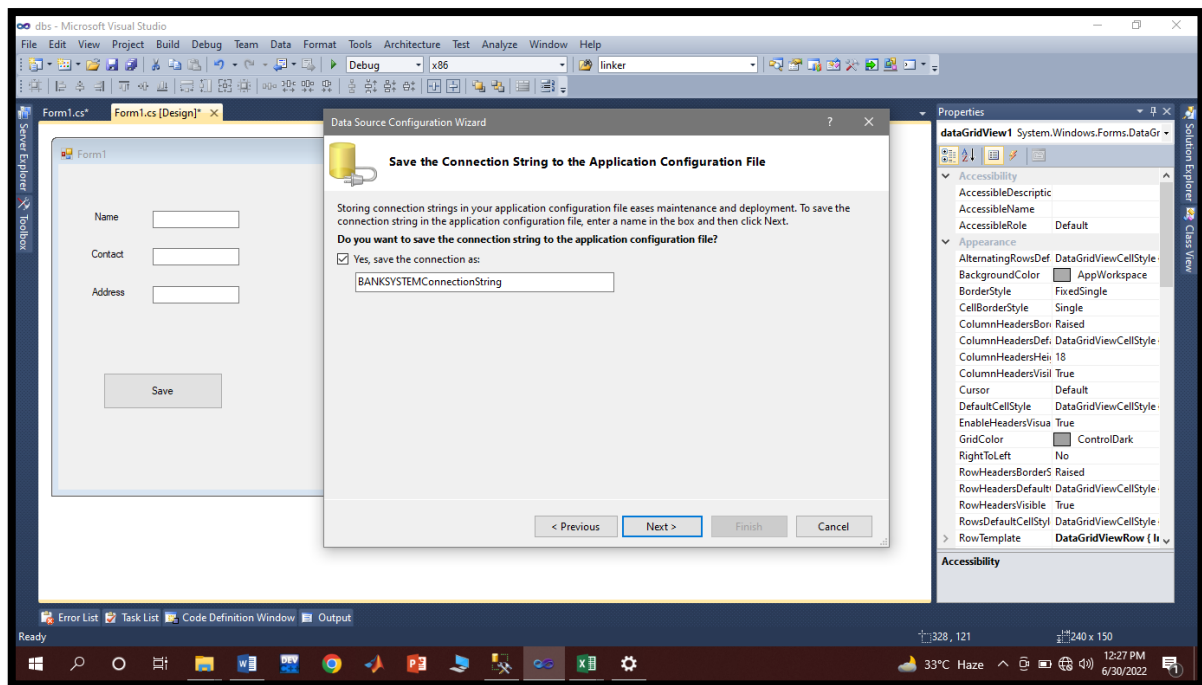
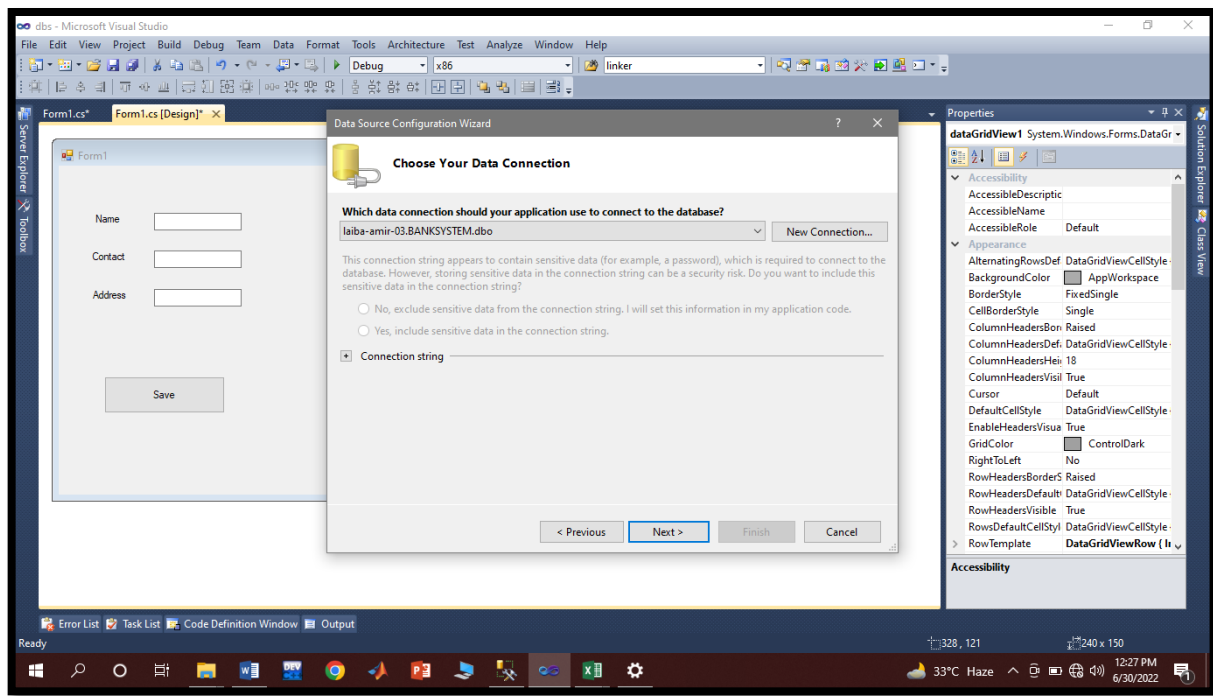


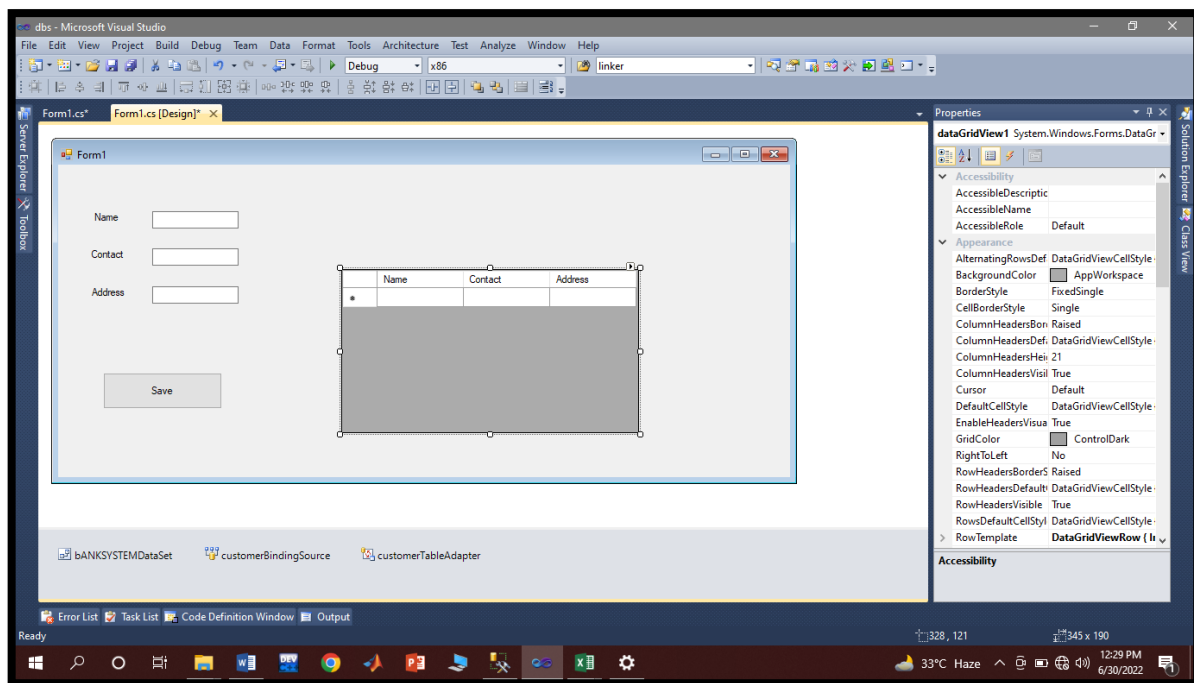
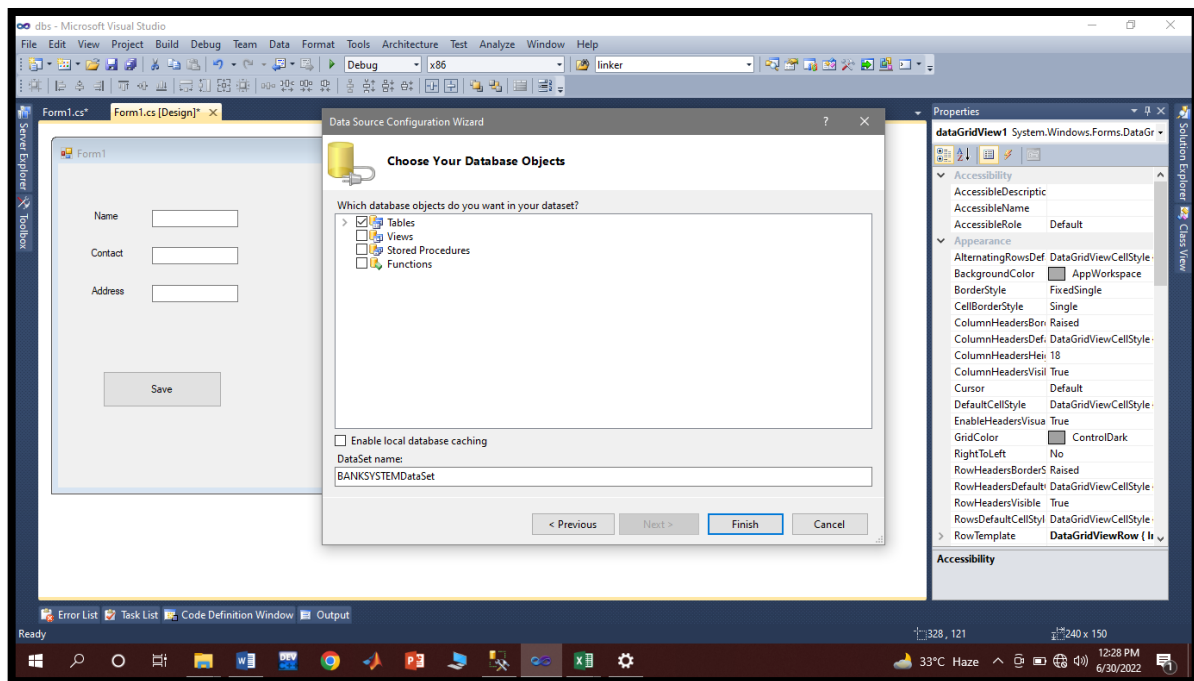
- Creating forms (buttons, labels, text boxes)
- And grid view is also created in this step.



In Data Grid View Tasks, it is connected to the source database. Then a connection is established and objects to be used in the grid are selected.

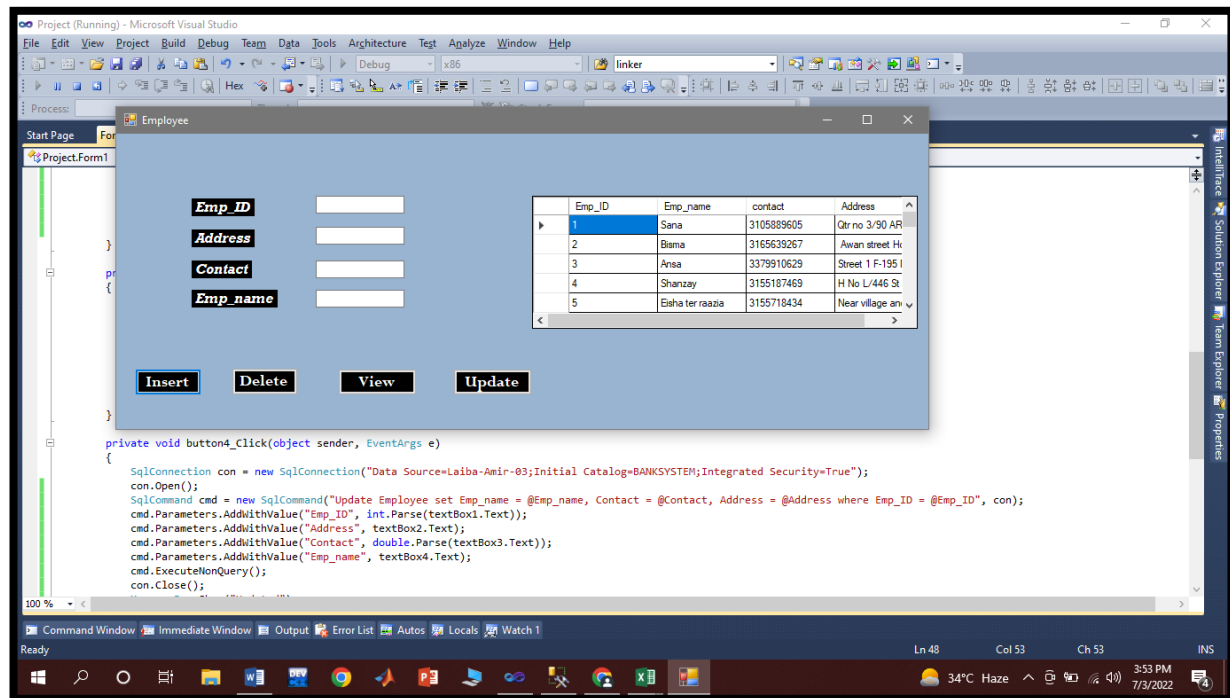






This step shows the output after execution.

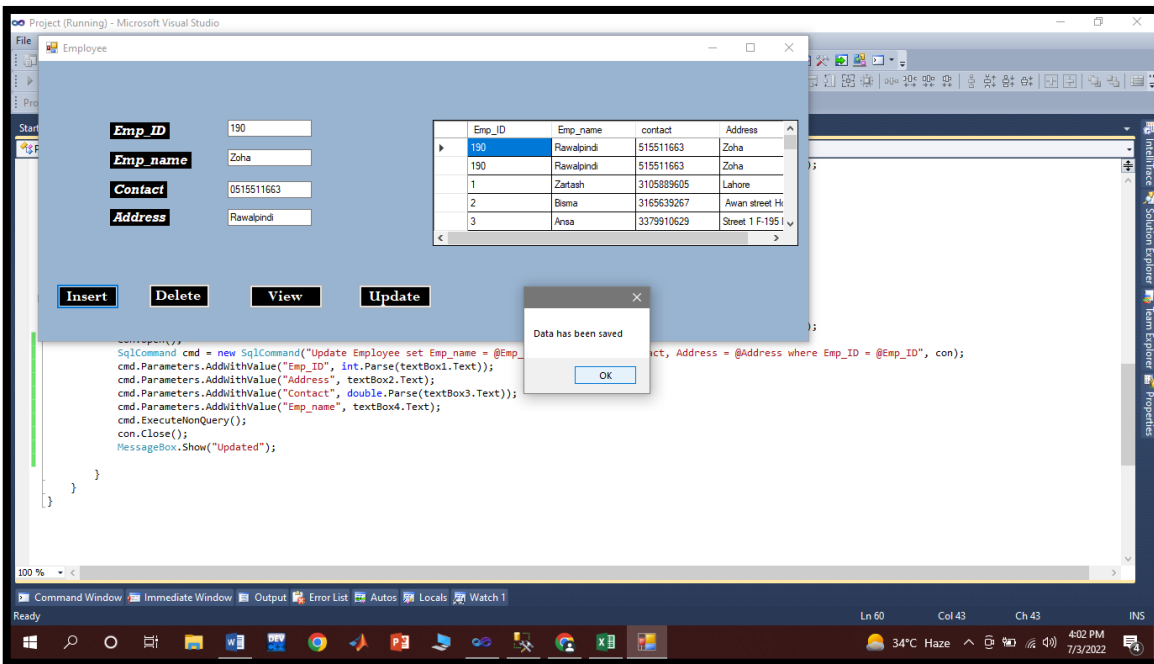
Data that was imported in **Sql Management Studio**, is now getting displayed in the **Grid View**



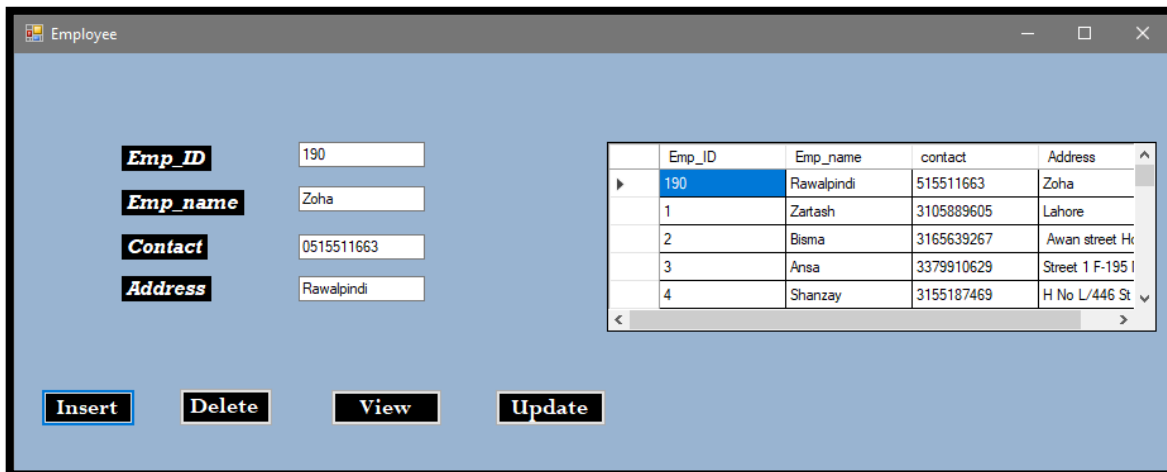


## ADDING DATA THROUGH FORM

```
private void button1_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection("Data Source=Laiba-Amir-03;Initial
Catalog=BANKSYSTEM;Integrated Security=True");
    con.Open();
    SqlCommand cmd = new SqlCommand("INSERT INTO Employee values('" + textBox1.Text
+ "','" + textBox2.Text + "','" + textBox3.Text + "','" + textBox4.Text + "','')", con);
    MessageBox.Show("Saved");
    cmd.ExecuteNonQuery();
    this.employeeTableAdapter.Fill(this.bANKSYSTEMDataSet.Employee);
    MessageBox.Show("Data has been saved");
    con.Close();
}
```



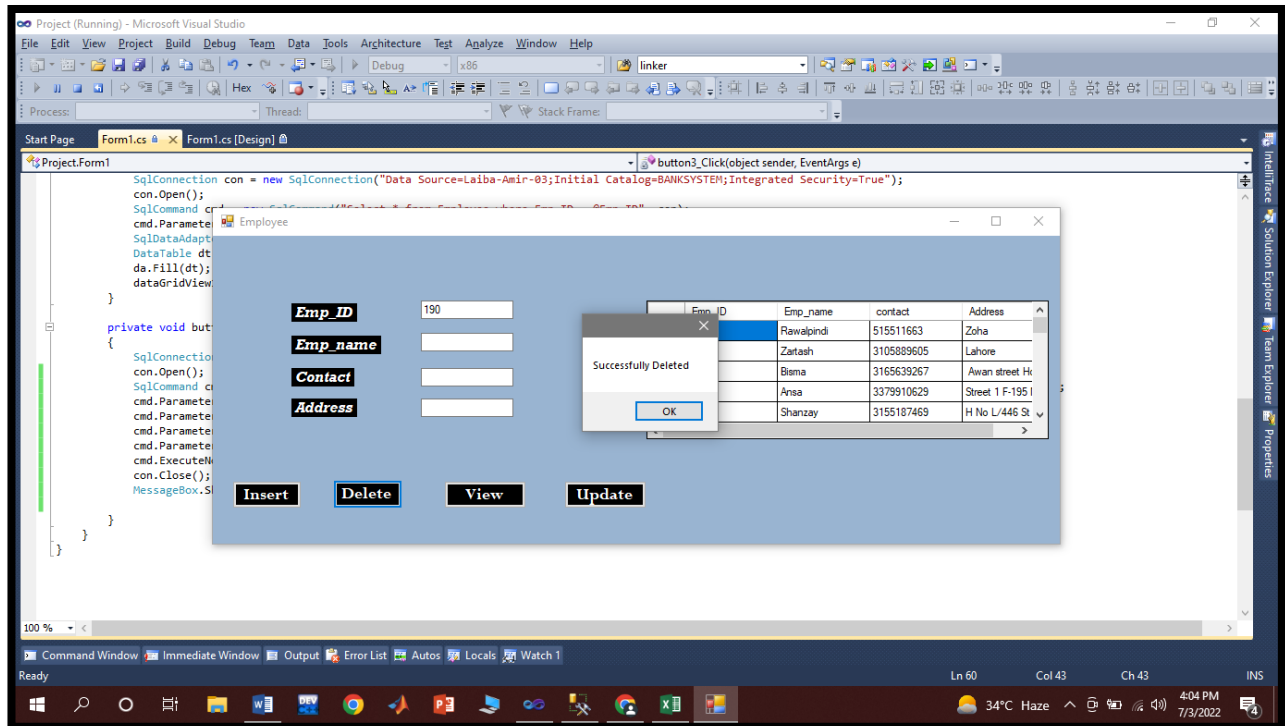
Successfully Added!



## DELETING DATA USING FORMS

```
private void button2_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection("Data Source=Laiba-Amir-03;Initial
Catalog=BANKSYSTEM;Integrated Security=True");
    con.Open();
    SqlCommand cmd = new SqlCommand("Delete from Employee where Emp_ID = @Emp_ID",
con);

    cmd.Parameters.AddWithValue("Emp_ID", int.Parse(textBox1.Text));
    cmd.ExecuteNonQuery();
    con.Close();
    MessageBox.Show("Successfully Deleted");
}
```



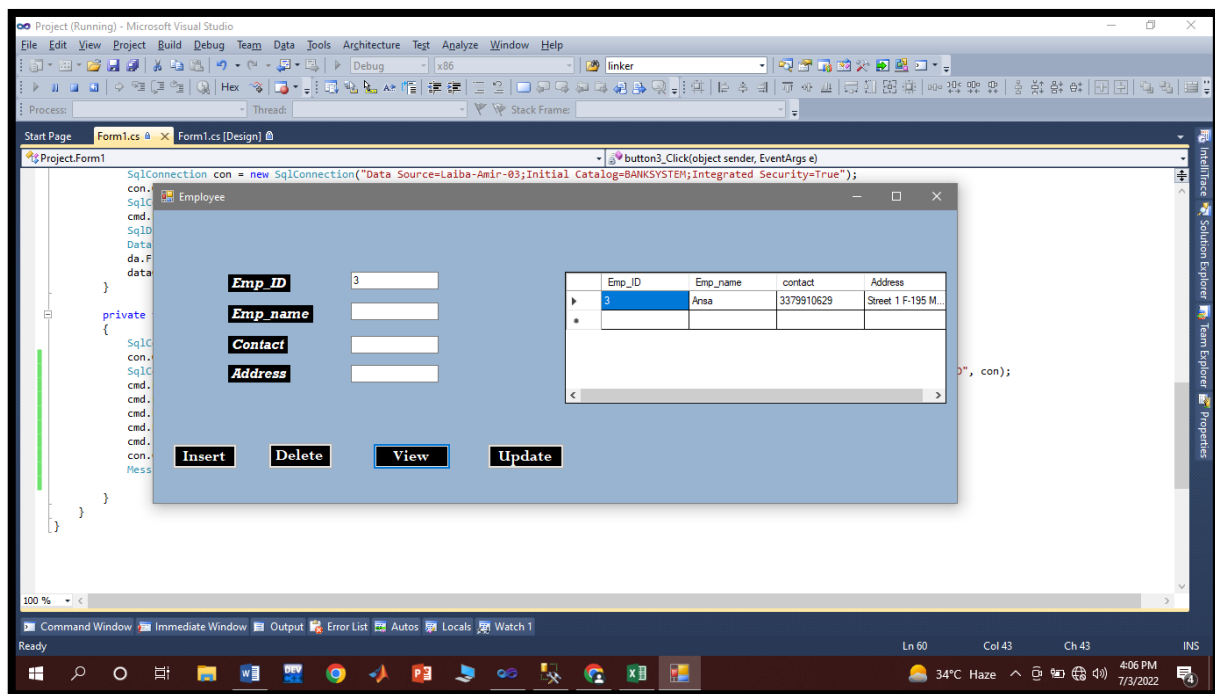
Successfully Deleted!

The screenshot shows the 'Employee' form with the same layout as the previous image. The 'Delete' button is highlighted. The table in the background is the same as the one in the previous image.

Emp_ID	Emp_name	contact	Address
1	Zartash	3105889605	Lahore
2	Bisma	3165639267	Awan street H
3	Ansa	3379910629	Street 1 F-195 I
4	Shanzay	3155187469	H No L/446 St
5	Eisha ter raazia	3155718434	Near village an

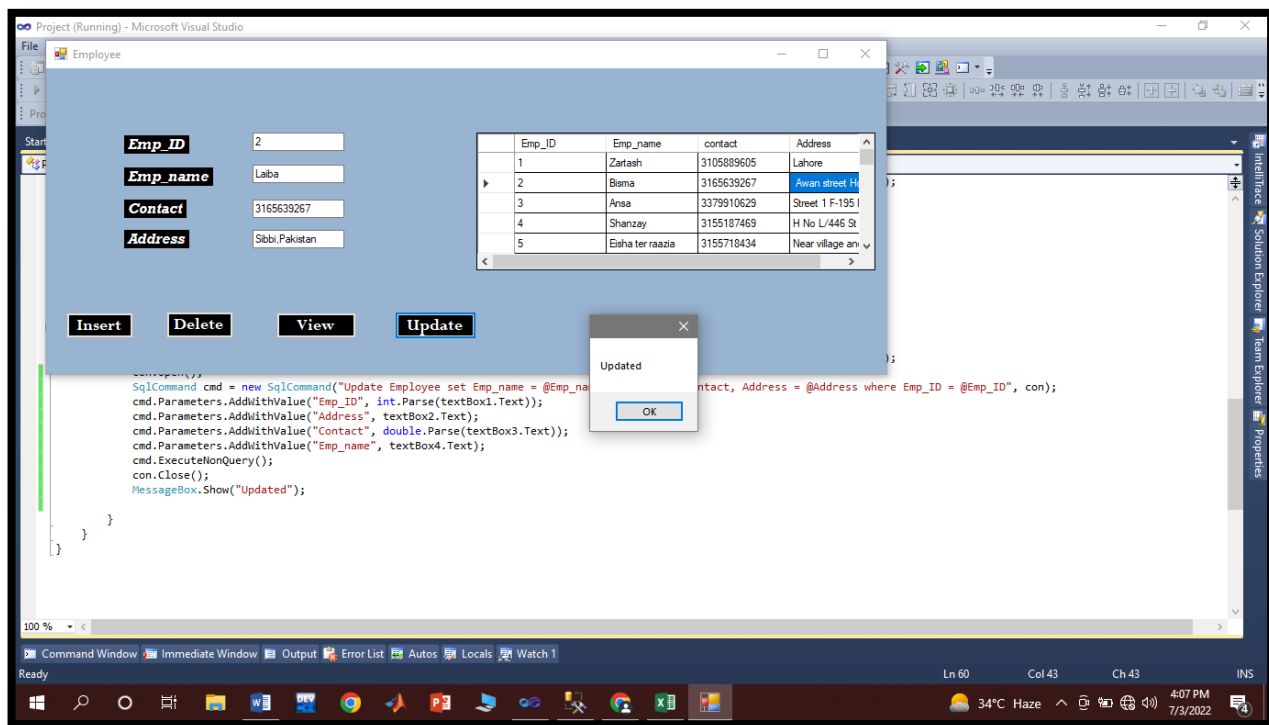
## VIEWING DATA USING FORMS

```
private void button3_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection("Data Source=Laiba-Amir-03;Initial
Catalog=BANKSYSTEM;Integrated Security=True");
    con.Open();
    SqlCommand cmd = new SqlCommand("Select * from Employee where Emp_ID = @Emp_ID",
con);
    cmd.Parameters.AddWithValue("Emp_ID", int.Parse(textBox1.Text));
    SqlDataAdapter da = new SqlDataAdapter(cmd);
    DataTable dt = new DataTable();
    da.Fill(dt);
    dataGridView1.DataSource = dt;
}
```



## UPDATING DATA USING FORMS

```
private void button4_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection("Data Source=Laiba-Amir-03;Initial
Catalog=BANKSYSTEM;Integrated Security=True");
    con.Open();
    SqlCommand cmd = new SqlCommand("Update Employee set Emp_name = @Emp_name, Contact =
@Contact, Address = @Address where Emp_ID = @Emp_ID", con);
    cmd.Parameters.AddWithValue("Emp_ID", int.Parse(textBox1.Text));
    cmd.Parameters.AddWithValue("Address", textBox2.Text);
    cmd.Parameters.AddWithValue("Contact", double.Parse(textBox3.Text));
    cmd.Parameters.AddWithValue("Emp_name", textBox4.Text);
    cmd.ExecuteNonQuery();
    con.Close();
    MessageBox.Show("Updated");
}
```



Successfully Updated!

**Emp\_ID**

**Emp\_name**

**Contact**

**Address**

	Emp_ID	Emp_name	contact	Address
▶	1	Zartash	3105889605	Lahore
	2	Laiba	3165639267	Sibbi,Pakistan
	3	Ansa	3379910629	Street 1 F-195 I
	4	Shanzay	3155187469	H No L/446 St
	5	Eisha ter raazia	3155718434	Near village ani

Insert

Delete

View

Update