**Integration of database into c#**

First we have our “connection string” that has all the necessary information for our application to connect to our database:

Server=myServerAddress;Database=myDataBase;Trusted\_Connection=True;

"Server=WIN-DNH1G34J36A;Database=Students;Trusted\_Conntection=True"

Let’s store our connection string in a field.

private static readonly string \_connectionString = "Server=WIN-DNH1G34J36A;Database=Students;Trusted\_Connection=True”;

Now we are gonna connect to our database using SqlConnetion and send info(model) to our view(razor page).

public IActionResult Index()

{

List<Student> students = new List<Student>();

using (SqlConnection conn=new SqlConnection(\_connectionString))

{

SqlCommand command = new SqlCommand("select \* from students", conn);

conn.Open();

var reader = command.ExecuteReader();

while (reader.Read()) //as long as theres code to read

{

// in Models we have got a student class🡪

Student student = new Student();

student.id = (int)reader["student\_id"];

student.gpa = (int)reader["gpa"];

student.name = reader["name"].ToString();

student.major = reader["major"].ToString();

students.Add(student);

}

}

return View(students);

}

In our view we receive the model…

@model List<MVCPractise.Models.Student>

@{

ViewData["Title"] = "Home Page";

}

<div class="text-center">

<ul>

@foreach(Student student in Model )

{

<li>ID:@student.id Name:@student.name Major:@student.major Gpa:@student.gpa</li>

}

</ul>

</div>