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**Assign : Ado Dot Net Curd Operation**

using System;

using System.Data;

using System.Data.SqlClient;

namespace CurdAdoNet1

{

internal class Program

{

static void Main(string[] args)

{

SqlConnection sqlCon;

string conn = @"Data Source=Shahzadi;Initial Catalog=Library;Integrated Security=True";

try

{

sqlCon = new SqlConnection(conn);

sqlCon.Open();

Console.WriteLine("Connection Established Successfully");

Console.WriteLine("Select Options From Below List\n 1.Create\n 2.Fetch\n 3.Update\n 4.Delete");

int Put = int.Parse(Console.ReadLine());

switch (Put)

{

case 1:

Console.WriteLine("Enter Book Id");

int BookId = int.Parse(Console.ReadLine());

Console.WriteLine("Enter Book Name");

String BookName = Console.ReadLine();

Console.WriteLine("Enter Book Price");

int BookPrice = int.Parse(Console.ReadLine());

Console.WriteLine("Enter Book Author Name");

String BookAuth =(Console.ReadLine());

Console.WriteLine("Enter Total Number Of Books");

int BookTotal = int.Parse(Console.ReadLine());

string insertQuery ="insert into Book(BookId,BookName,BookPrice,BookAuth,BookTotal)VALUES(" + BookId + ",'" + BookName + "'," + BookPrice + ",'"+BookAuth+"',"+BookTotal+")";

SqlCommand insertCmnd = new SqlCommand(insertQuery, sqlCon);

insertCmnd.ExecuteNonQuery();

Console.WriteLine("Data Inserted Successfully Into Library");

break;

case 2:

string ShowQuery = ("Select \* from Book");

SqlCommand ShowCmnd = new SqlCommand(ShowQuery, sqlCon);

SqlDataReader datareader = ShowCmnd.ExecuteReader();

while (datareader.Read())

{

Console.WriteLine("BookId:" + datareader.GetValue(0).ToString());

Console.WriteLine("BookName:" + datareader.GetValue(1).ToString());

Console.WriteLine("BookPrice:" + datareader.GetValue(2).ToString());

Console.WriteLine("BookAuth:" + datareader.GetValue(3).ToString());

Console.WriteLine("BookTotal:" + datareader.GetValue(4).ToString());

}

datareader.Close();

break;

case 3:

Console.WriteLine("Enter Book Id Which Is Need To Be Check");

BookId = int.Parse(Console.ReadLine());

Console.WriteLine("Enter Book Name which you want to update ");

BookName = Console.ReadLine();

Console.WriteLine("Enter The Price Of a Book Which You Want To Modify ");

BookPrice = int.Parse(Console.ReadLine());

string updateQuery = "Update Book SET BookPrice = " + BookPrice + " WHERE BookId =" + BookId + " ";

SqlCommand updatecmnd = new SqlCommand(updateQuery, sqlCon);

updatecmnd.ExecuteNonQuery();

Console.WriteLine("Data updated successfully");

break;

case 4:

Console.WriteLine("Enter Book Id Which You Want To Delete");

BookId = int.Parse(Console.ReadLine());

BookName = Console.ReadLine();

string deleteQuery = "Delete From Book Where Book Id =" + BookId;

SqlCommand DeleteCmnd = new SqlCommand(deleteQuery, sqlCon);

DeleteCmnd.ExecuteNonQuery();

Console.WriteLine("Id Deleted Successfully ");

sqlCon.Close();

break;

default:

Console.WriteLine("Unrecognised Input");

break;

}

}

catch (Exception ex)

{

Console.WriteLine(ex.Message);

}

Console.ReadKey();

}

}

}

OutPut



