



Instructor:

- Mr. Nazeef Ul Haq (Lab)

Learning Objectives:

- Understanding of Subqueries.

Helping Material:

1. Create Crystal Report for Employee Data information

first create an Employee Data Table in your SQL Database.

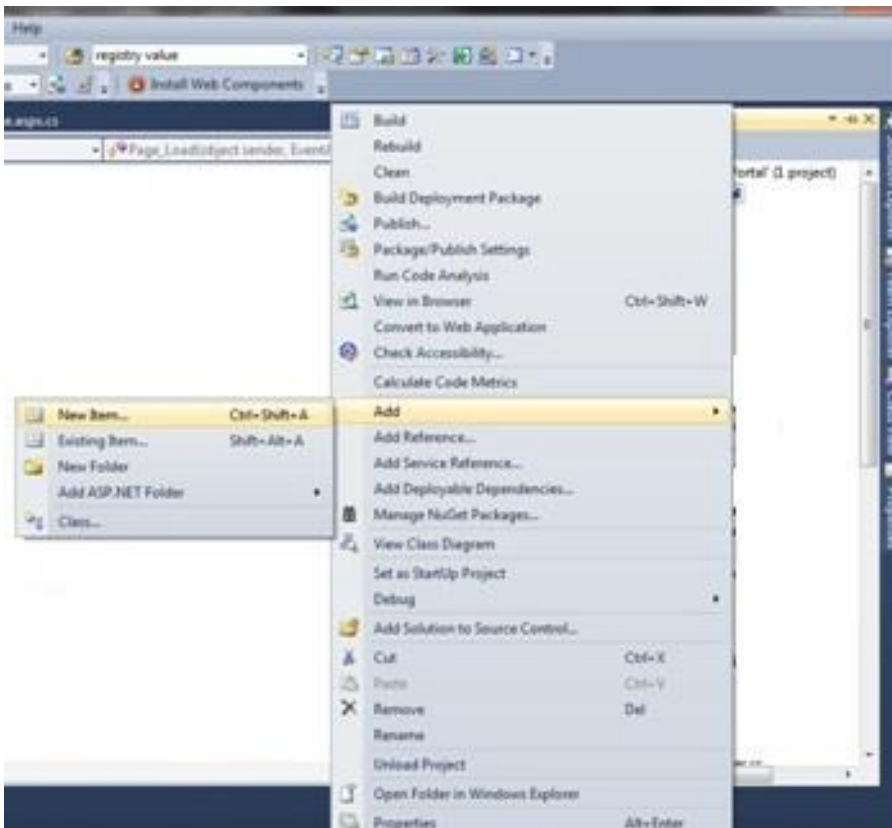
Now, follow the steps for creating a Crystal Report.

Step 1

Go to Visual Studio and create a new project.

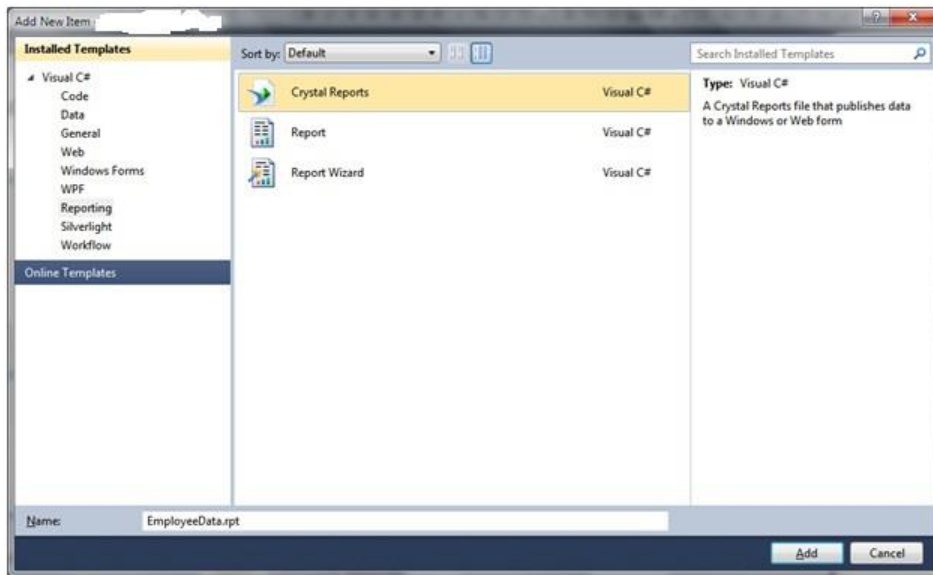
Step 2

Go to the Solution Explorer and right-click on your project name and select Add -> New Item.



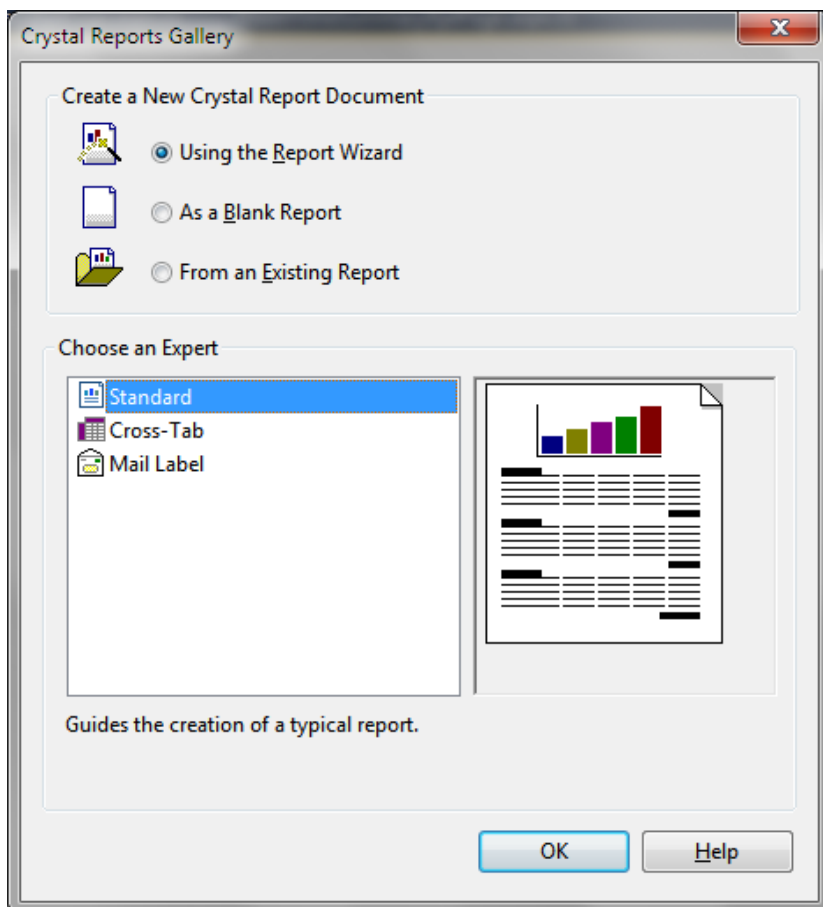
Step 3

Add New Item-> Crystal Report.



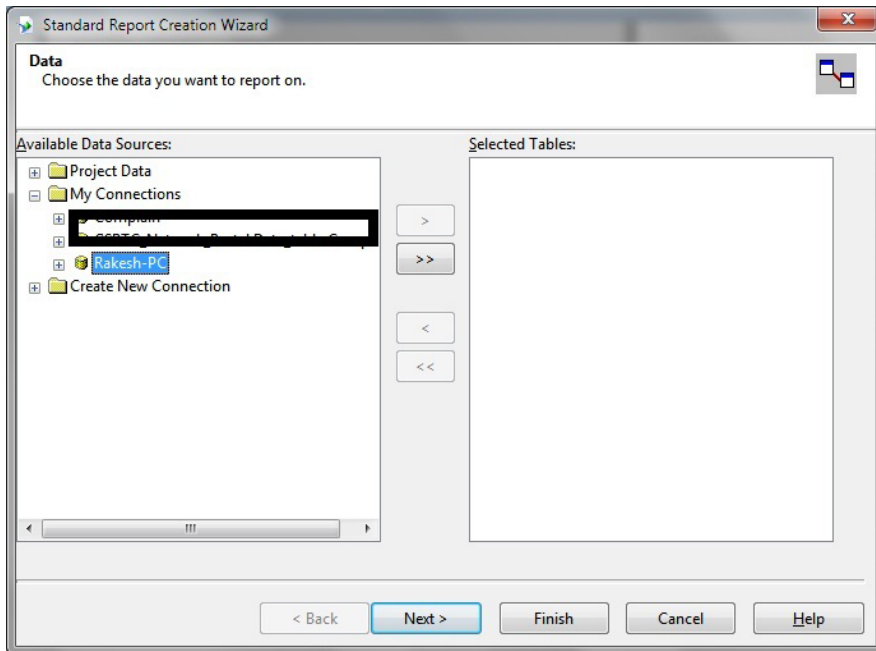
Step 4

Click the Ok Button.



Step 5

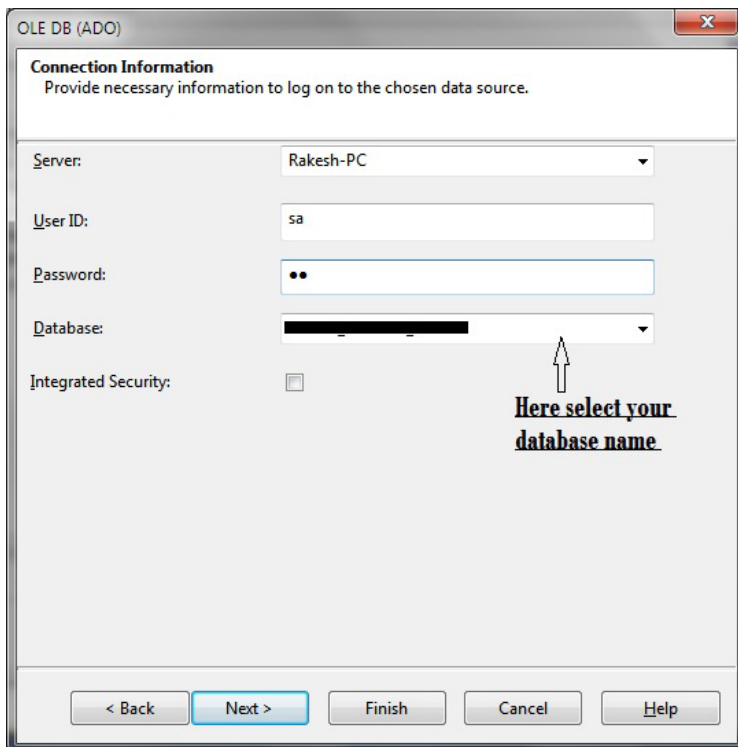
Choose the data source as in the following:



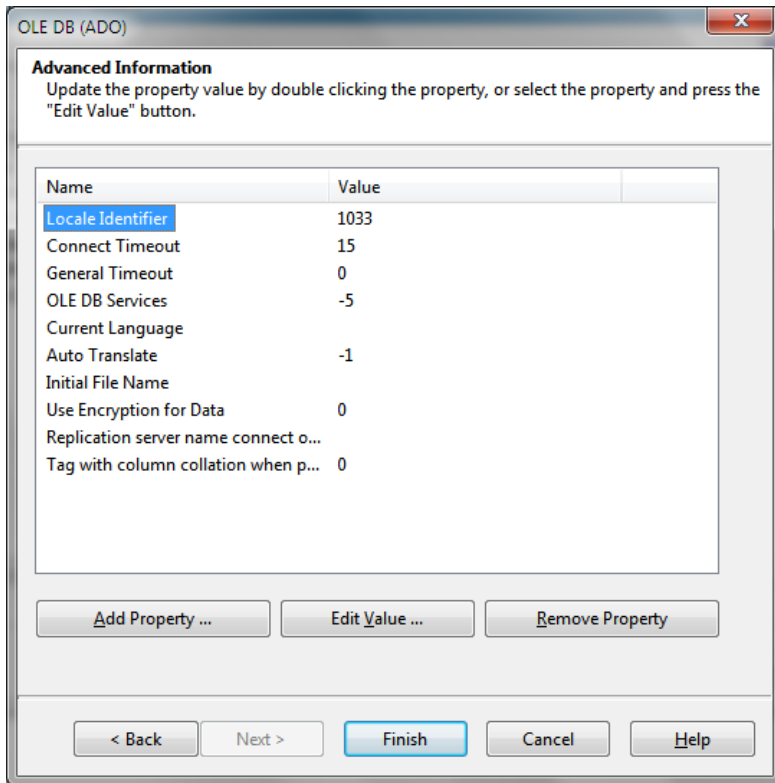
Click the Next Button.

Step 6

Select the data with OLEDB (ADO) as in the following:



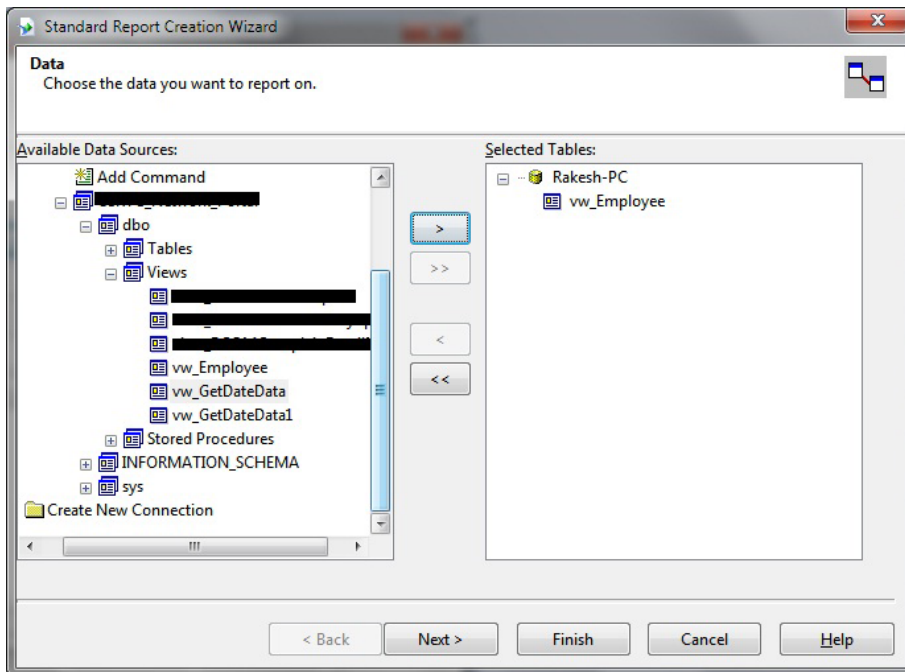
Click the Next button to open a new dialog.



Click the Finish button and open a new dialog box. In this, select your new view.

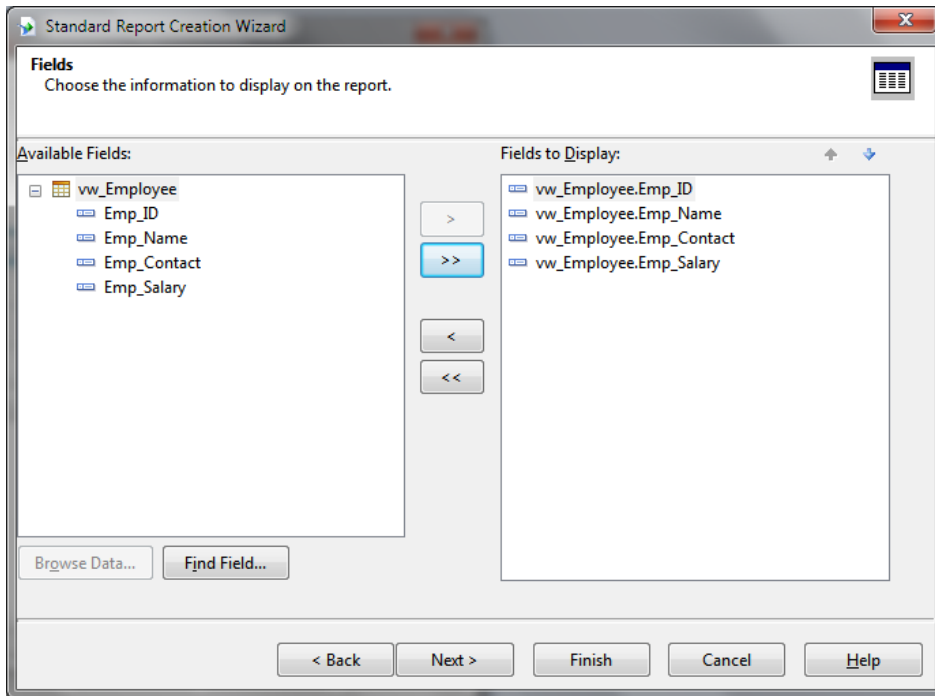
Step 7

Select your view Employee view.



Step 8

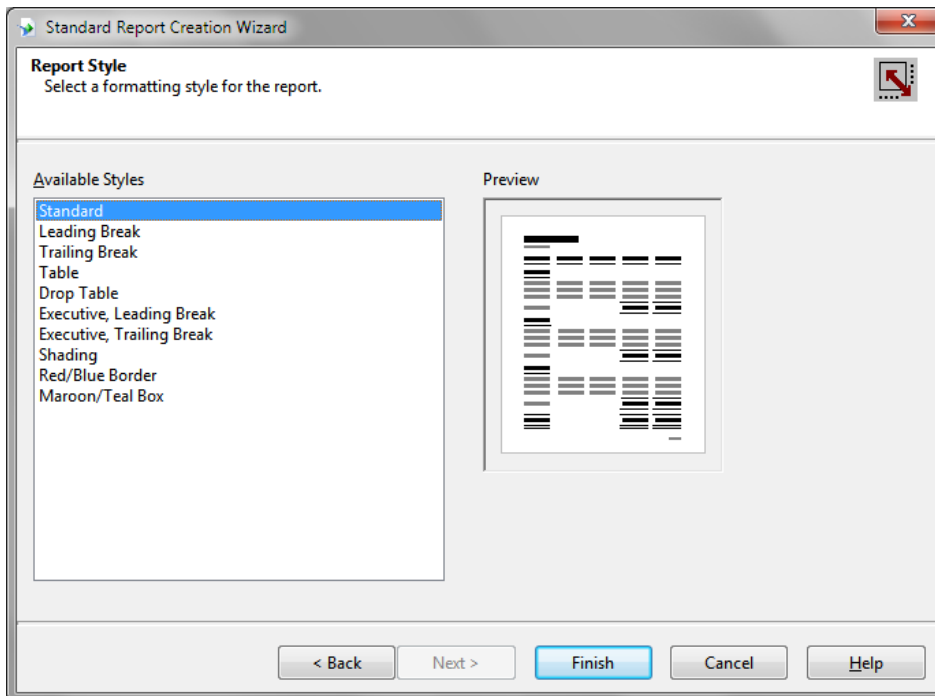
Select the fields to display in the report area as in the following:



And click the Finish button.

Step 9

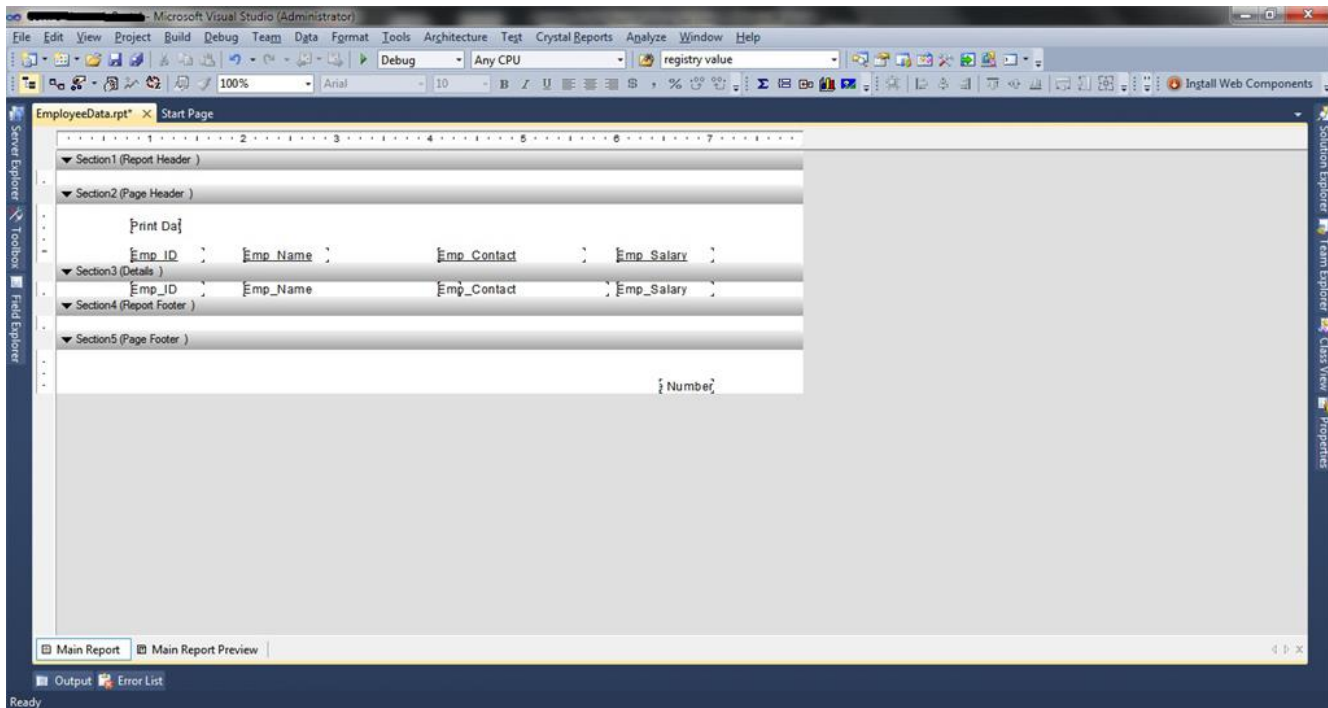
Select the report format as in the following:



Click the Finish Button after selecting the format of the report.

Step 10

Now finally display your report in this format.



Step 11

Next follow the instructions given in the lab.

Helping Code:

```
private void crystalReportViewer1_Load(object sender, EventArgs e)
{
    ShowReport();
}
private void ShowReport()
{
    ReportDocument r = new ReportDocument();
    string path = Application.StartupPath;
    string reportpath = @"CrystalReport1.rpt";
    string fpath = Path.Combine(path, reportpath);

    r.Load(fpath);

    crystalReportViewer1.ReportSource=r;
}
```

Helping Link: <https://www.youtube.com/watch?v=079OLMGqZwg&t=460s>

HackerRank Tasks:

- <https://www.hackerrank.com/challenges/occupations/problem?isFullScreen=true>
- <https://www.hackerrank.com/challenges/binary-search-tree-1/problem?isFullScreen=true>
- <https://www.hackerrank.com/challenges/weather-observation-station-20/problem?isFullScreen=true>
- <https://www.hackerrank.com/challenges/harry-potter-and-wands/problem?isFullScreen=true>

- <https://www.hackerrank.com/challenges/contest-leaderboard/problem?isFullScreen=true>
- <https://www.hackerrank.com/challenges/sql-projects/problem?isFullScreen=true>