

CERTIFICATE

This is to certify that_____,

Roll No:_____of Class:X,

Session :2023-24

**has prepared the Project File as per the prescribed
Syllabus of**

INFORMATION TECHNOLOGY SUB. CODE - 402

**under my supervision, I am completely satisfied by
the performance.**

I wish him/her all the success in life.

**Principal's
Signature**

**Subject Teacher's
Signature**

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ACKNOWLEDGEMENT

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I express deep sense of gratitude to almighty God for giving me strength for the successful completion of the project.

I express my heartfelt gratitude to my parents for constant encouragement while carrying out this project.

I gratefully acknowledge the contribution of the individuals who contributed in bringing this project up to this level, who continues to look after me despite my flaws,

I express my deep sense of gratitude to the luminary

THE PRINCIPAL, (PODAR INTERNATIONAL SCHOOL, GANDHINAGAR)

who has been continuously motivating and extending their helping hand to us.

My sincere thanks to

GAURAV UPADHYAY (P.G.T COM. SC.)

Master In-charge, A guide, Mentor all the above a friend, who critically reviewed my project and helped in solving each and every problem, occurred during implementation of the project

The guidance and support received from all the members who contributed and who are contributing to this project, was vital for the success of the project. I am grateful for their constant support and help.

INTRODUCTION OF THE PROJECT

The impact of computers and internet, on our lives today is probably much more than we really know. Getting information and quickly turning it into a product that consumers want is the essential key to staying in business and all of this is done nowadays using computers and applications or information systems. And the information systems will continue to change businesses and the way we live. Many corporate leaders are using technology to manage every aspect of their organization, from product creation to customer service. It has brought evolution in almost every field, it changed the ways of teaching, administration of activities such as e-learning, e-library and online portals where teachers and students communicate, and sharing of information has never been better.

Student result declaration and management are amongst the most important activities within a School or any educational institution, since all other activities depend on it. Hence implementing an information system can be declared a significance result.

OBJECTIVE OF PROJECT

OpenOffice Base Project: Student Result Management System

The main objective of this research is to enhance and automate the management and declaration of students' results using a computerized system. its provide the examination result to the student in a simple way. This project is useful for institutions for getting the results in simple manner.

Hardware And Software Requirement Specification:-

OS:-Microsoft Windows(Windows XP, Windows 2003, Windows Vista, Windows 7, Windows 8 *)

RAM:- 256 Mbytes RAM (512 MB RAM recommended)

At least 650 Mbytes available disk space for a default install (including a JRE) via download. After installation and deletion of temporary installation files,

Apache OpenOffice will use approximately 440 Mbytes disk space.

MONITOR:- 1024 x 768 or higher resolution with at least 256 colours

Software:- Apache OpenOffice

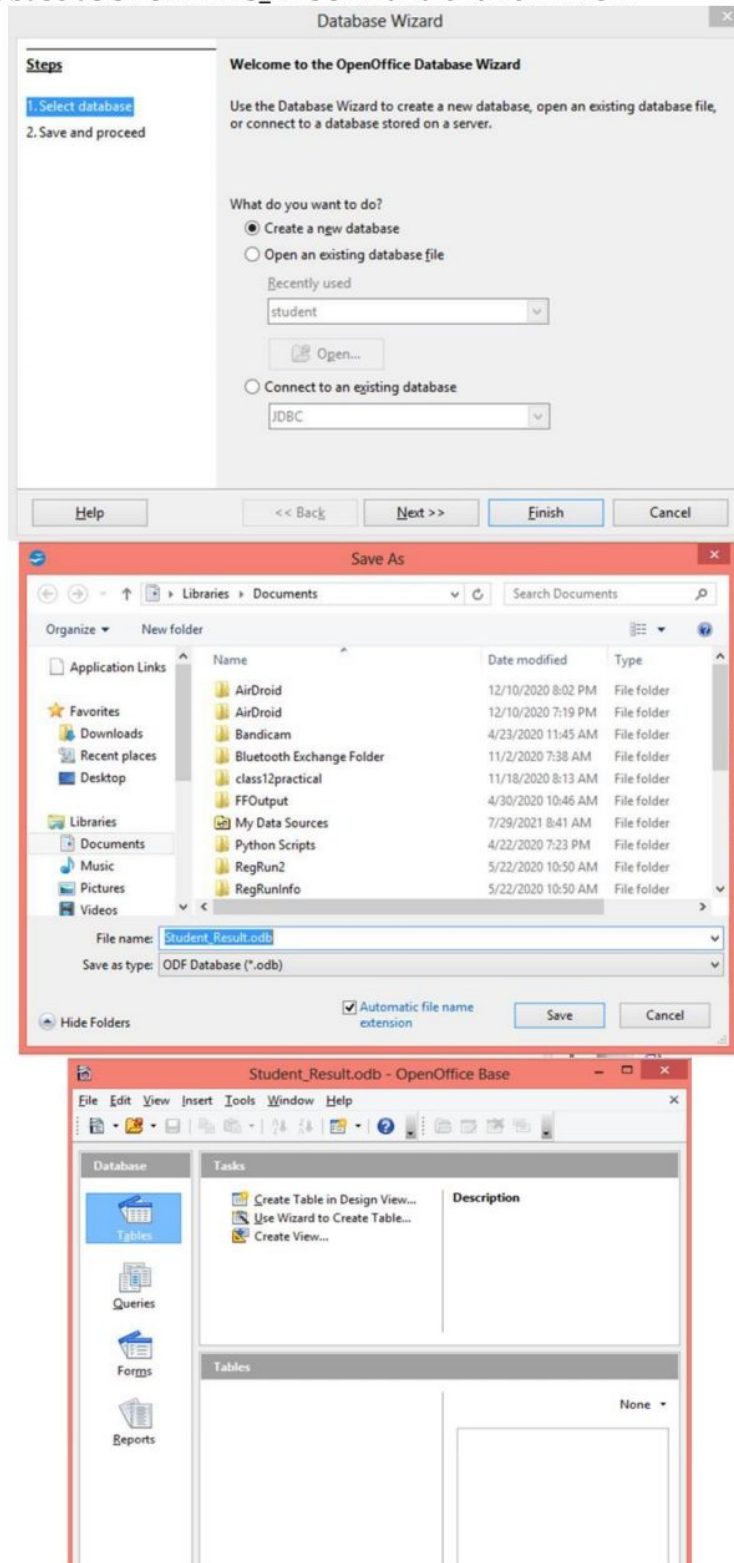
MAIN COMPONENTS OF STUDENTS MANAGEMENT SYSTEM

- The Student Result Management System will have the following components.
- Marks_Tab Table:- This table will store the results of the students of a class.
- Student Contact Table:-This table will store the address and contact details of the students of a class.
- Relationship: Both the tables (Marks_Tab and Student Contact) will be linked to each other using Relationships.
- Query: Query will be created to see the records of the average scorers.
- Report: Report will be generate report of the average scorers.

DATABASE CREATION

STEP 1:- Start the base application. The database wizard will appear.

Step 2:- Check the Create a new database option. A) Click on Next Button B) Save and Proceed will be highlighted, save the database as STUDENTS_RESULT and click on finish.



TABLES CREATION

Perform the steps for creating Marks_Tab table.

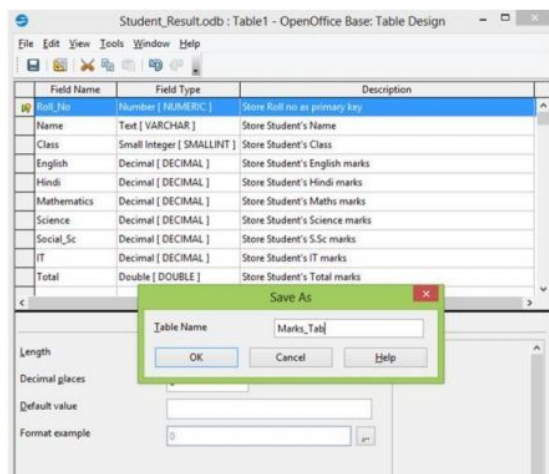
Step 1:- Open STUDENTS_RESULT Database by click on file men open option and locate STUDENTS_RESULT.odt file.

Step 2:- Click on Tables tab, Click on the Create table in Design View option under the Tasks pane.

Step 3:- A blank table opens in the Design View, type the field names and data types as shown.

Step 4:- Set Roll_No as primary key.

Step 5:- Click on Save button from standard toolbar, Save As dialog box will open, save the table as Marks_Tab table.



Perform the steps for Student_Contact table.

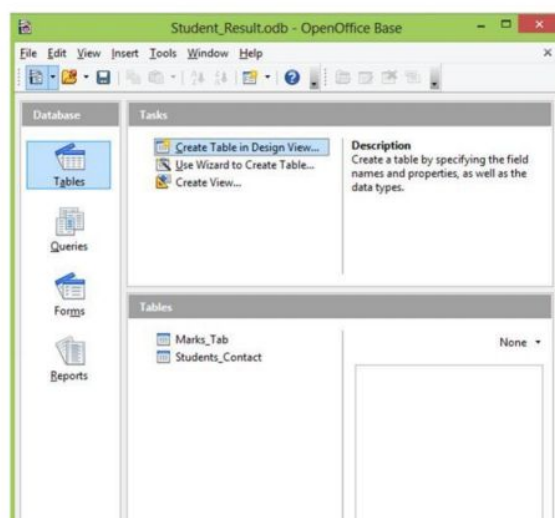
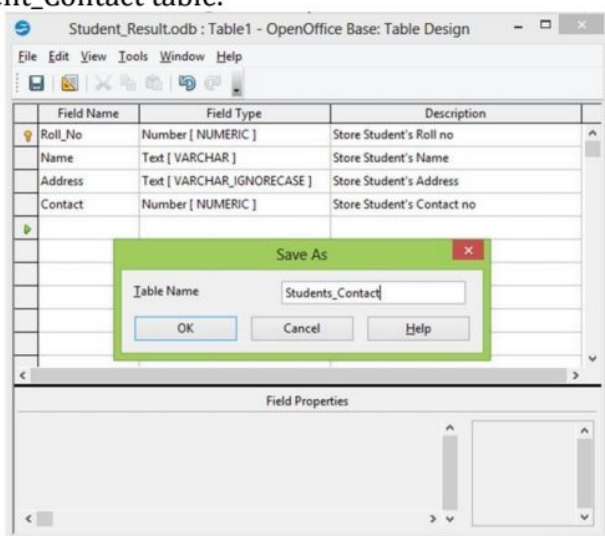
Step 1:- Open STUDENTS_RESULT Database by click on file men open option and locate STUDENTS_RESULT.odt file.

Step 2:- Click on Tables tab, Click on the Create table in Design View option under the Tasks pane.

Step 3:- A blank table opens in the Design View, type the field names and data types as shown.

Step 4:- Set Roll_No as primary key.

Step 5:- Click on Save button from standard toolbar, Save As dialog box will open, save the table as Student_Contact table.

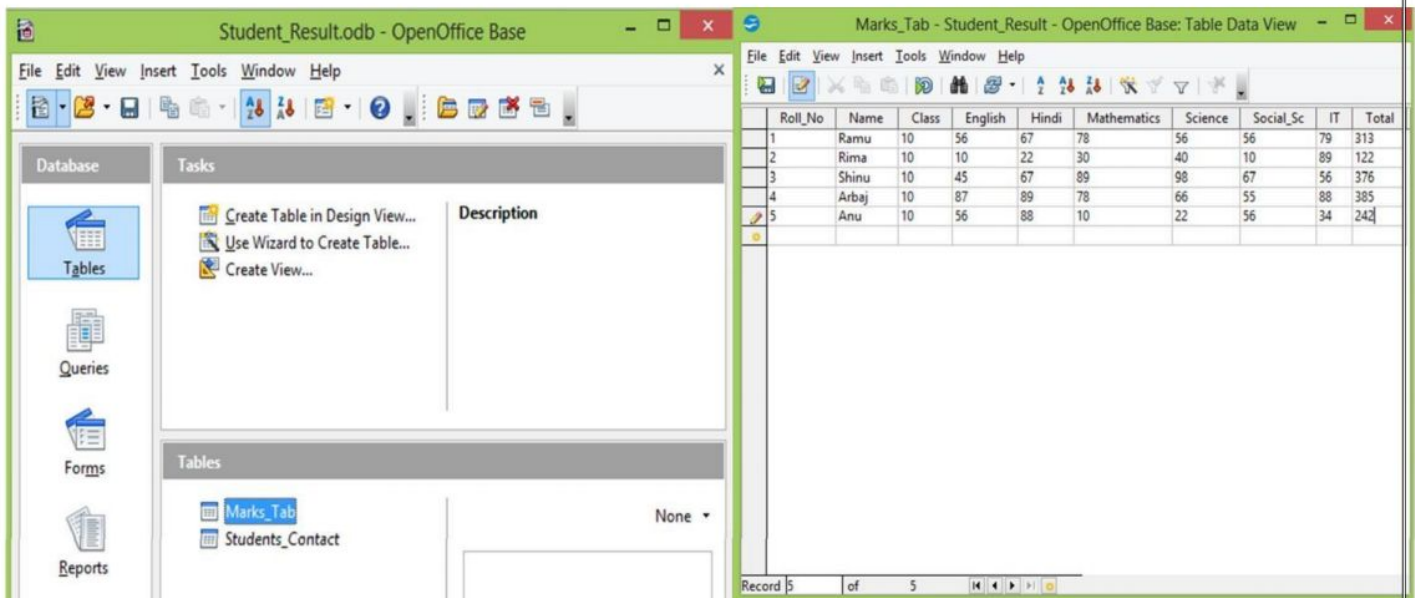


INSERT DATA ON TABLES

Perform the steps for insert data Marks_Tab table.

Step 1:- Double Click on Marks_Tab table.

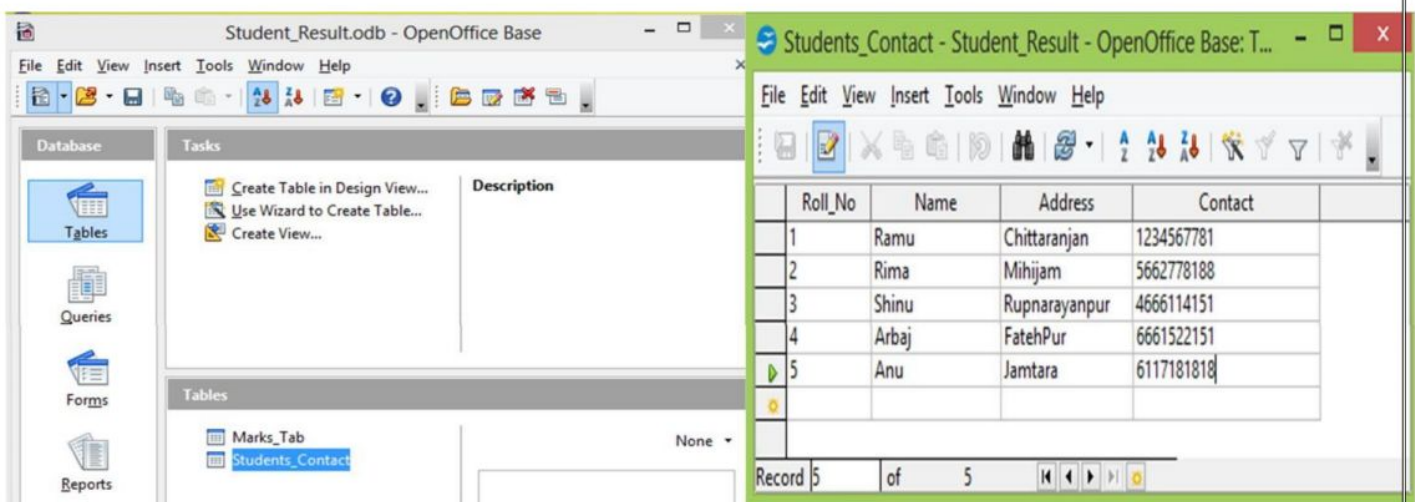
Step 2:- The table open in the new Table Data View window. Enter your desired data. And Click on Save button from standard toolbar.



Perform the steps for insert data Student_Contact table.

Step 1:- Double Click on Student_Contact table.

Step 2:- The table open in the new Table Data View window. Enter your desired data. And Click on Save button from standard toolbar.



CREATE THE RELATIONSHIPS BETWEEN BOTH TABLES.

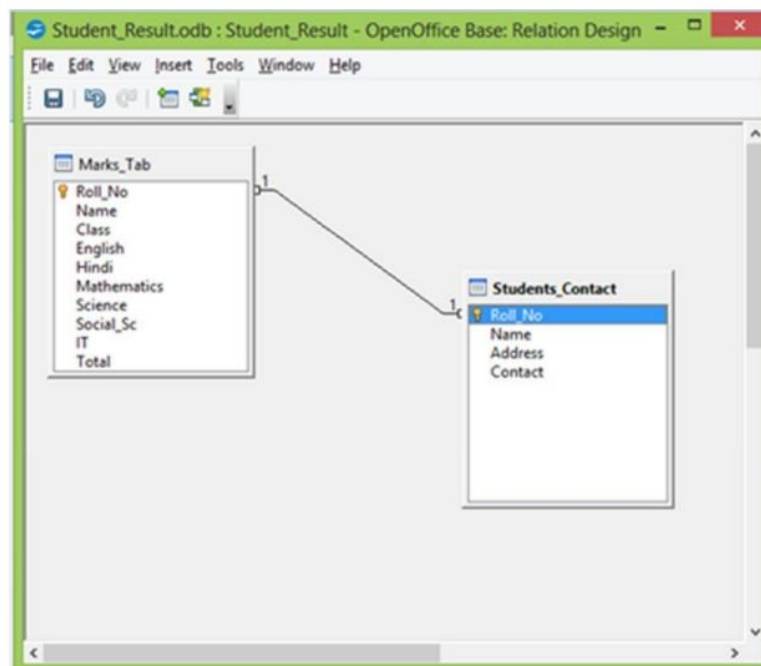
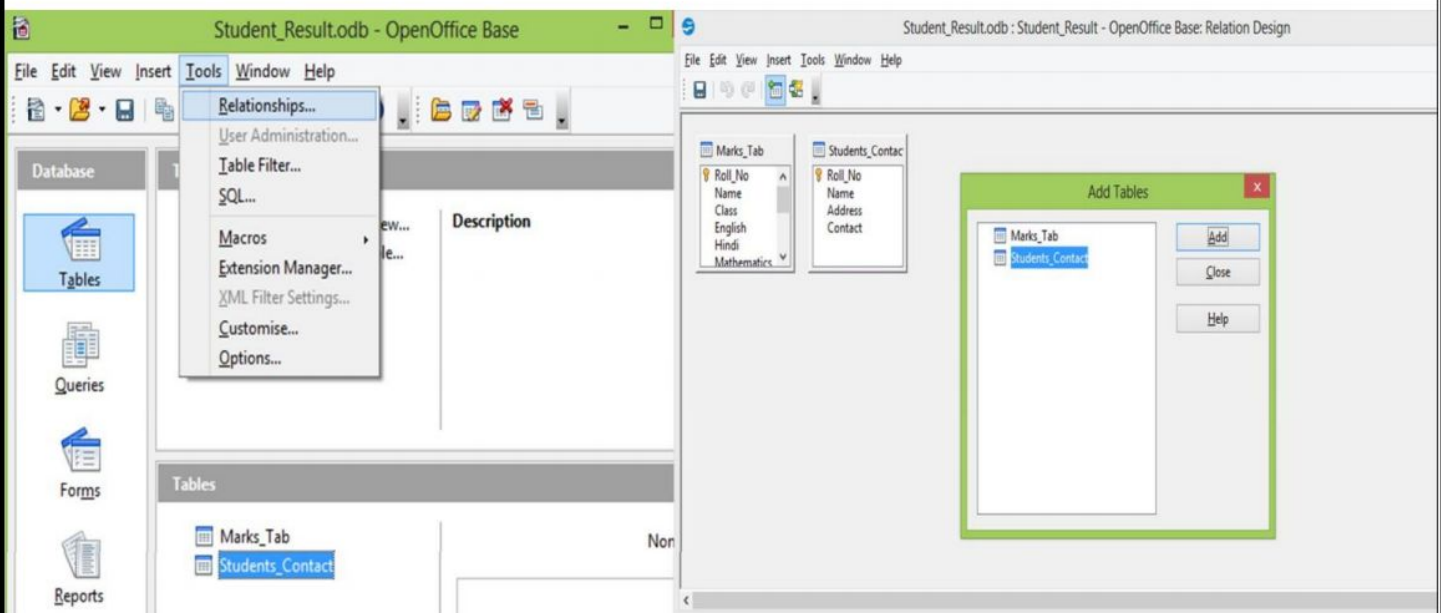
Perform the steps for create the Relationships between both tables.

Step 1:- Click on the Relationships option in the Tools menu. Add Table dialog box will appear.

Step 2:- Select the Marks_Tab and Student_Contact table. Click on the Add button to add the tables one by one. Close the Add Table dialog box after adding both the tables by clicking on the Close button on the Add Table dialog box.

Step 3:- Drag the primary key field Roll_No from the Marks_Tab table to a similar field of Student_Contact that is primary key field Roll_No of it.

Step 4:- A Relationship will be created.



CREATE THE QUERIES

Perform the steps for create the Queries between both tables.

Step 1:- Click on the Queries option in the database pane and then click on the create Query in Design View option in the tasks pane.

Step 2:- The Add Tables or Query dialog box will appear. Ensure that Table tab is selected by default on that.

Step 3:- Select both the tables.

Step 4:- Click on the Add button to add the tables. After adding close Add Tables or Query dialog box .

Step 5:- Tables are displayed in the upper part of the query design screen by boxes containing the tables fields.

Step 6:- Select the fields for query by double clicking on the fields from both tables and enter the criteria in the criterion field.

Step 7:- Click on the Run Query button on the standard toolbar to view the output of query.

Step 8:- Save the Query as marksheet by clicking on Save button on the standard toolbar.

Field	Roll_No	Name	Address	Class	English	Hindi	Mathematics	Science	Social_Sc	IT	Total			
Alias														
Table	Marks_Tab	Marks_Tab	Students_Contact	Marks_Tab	Marks_Tab	Marks_Tab	Marks_Tab	Marks_Tab	Marks_Tab	Marks_Tab	Marks_Tab			
Sort														
Visible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Function														
Criterion														
Or														
Or														
Or														
Or														

Roll_No	Name	Address	Class	English	Hindi	Mathematics	Science	Social_Sc	IT	Total
1	Ramu	Chittaranjan	10	56	67	78	56	56	79	313
2	Rima	Mihijam	10	10	22	30	40	10	89	122
3	Shinu	Rupnarayanpur	10	45	67	89	98	67	56	376
4	Arbaj	FatehPur	10	87	89	78	66	55	88	385
5	Anu	Jamitara	10	56	88	10	22	56	34	242

CREATE THE REPORT

Perform the steps for create the Report

Step 1:- Click on the Report option in the database pane

Step 2:- Click on the use Wizard to create report option under the tasks pane. The report wizard will appear.

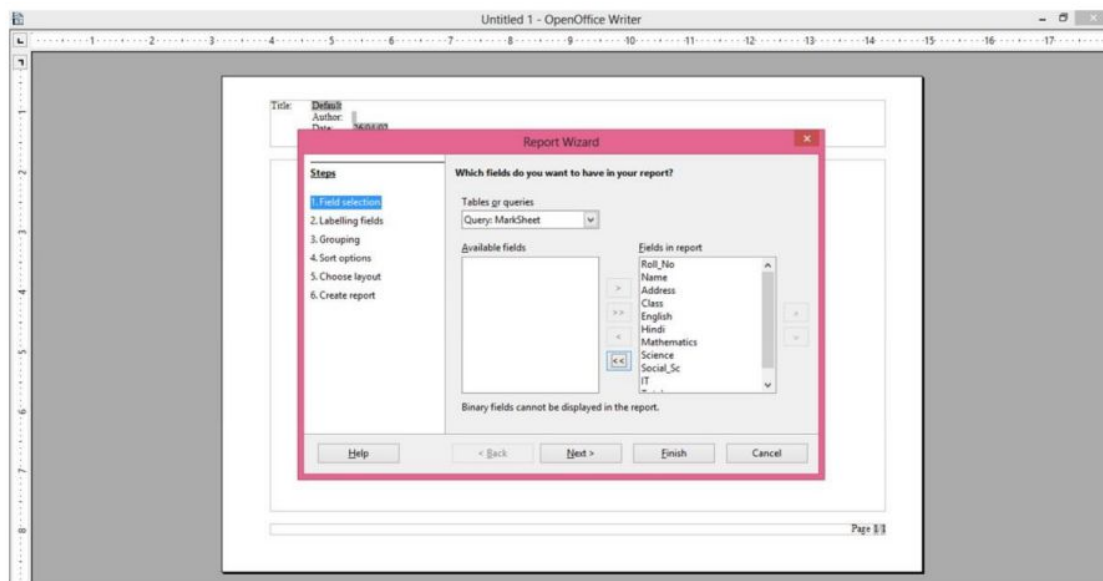
Step 3:- Select desire query under the tables or queries option.

Step 4:- Select all the field in this step and specify the field labels in the next step.

Step 5:- Click on the Next button to move on to the next step.

Step 6:-Specify a title for the report and click on the finish button.

Step 7:- The report will be created and will appear.



Student_Result.odt : MarkSheet - OpenOffice Base: Report Design

File Edit View Insert Format Table Tools Window Help

MARKSHEET
Date: 03/03/22

Roll_No	Name	Address	Class	English	Hindi	Mathematics	Science	Social_Sc	IT	Total
1	Ramu	Chittaranjan	10	56	67	78	56	56	79	313
2	Rima	Mihijam	10	10	22	30	40	10	89	122
3	Shinu	Rupnarayanpu	10	45	67	89	98	67	56	376
4	Arbaj	FatehPur	10	87	89	78	66	55	88	385
5	Anu	Jamtara	10	56	88	10	22	56	34	242

LIMITATIONS

- There seem to be issues using this app in Windows 10. It worked fine when we used it on Windows 7, but after we upgraded the network with NEW Win 10 computers, it takes a very long time to process commands.
- It will not allow any upgrades.
 - Not the best solution for larger or complex documents.
 - Doesn't integrate well with third-party software and applications.
 - Not as good as MS Office for document sharing and collaboration.
- Project works smoothly with less volume of data, but once increase data it will slow in process.
- Poor User Interface.
- Project Creation takes times.

FUTURE SCOPE , ENHANCEMENT

- Listed limitations will overcomes in upcoming versions.
- Working on User Interface.
- Able to deal with large volume of data.

BIBLIOGRAPHY

- Information Technology NCERT Text Book
- Information Technology By Sumita Arora
- Information Technology CBSE Materials

1. Create Database with name **"STUDENTS RESULT. odb"**.

2. Create table with name **"Marks_Tab"** (Fields are :- Roll_No (PK), Name, Class, English, Mathematics, Science, Social_sc, 2nd_Lang, IT)

3. Create table with name **"Students_Contact"** (Fields are :- Roll_No (PK), Name, Address, Contact)

4. **Relationship** :- Both the tables will be linked to each other using relationships.

5. **Form** :- Enter records of Minimum 10 students using form.

6. **Query** :- to see the records of the average scorers.

7. **Report** :- Report of average scorers.