**TRINITY INTERNATIONAL SS & COLLEGE**

**Dillibazar Height, Kathmandu, Nepal**

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**LAB WORK # 4: Application Package (MS-Excel)**

**(COMPUTER SCIENCE)**

**SUBMITTED BY: SUBMITTED TO:**

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**GRADE: XI (MC1)**

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**2. Objective**

The main objectives of the lab work are as follows:

1. To perform what-if analysis using goal seek and scenario manager.
2. To understand and apply VLOOKUP AND HLOOKUP.
3. To Practice preparing result sheet of student.

**3. Theoretical Background**

What if Analysis: It is the process of changing the values in cells to see how those changes will affect the outcome of formulas on thee worksheet.

VLOOKUP Function: It is used when you need to find things in a table or a range by row. For example, look up a price of an automotive part by the part number, or find an employee name based on their employee ID.

Its syntax is,

=VLOOKUP(What you want to look up, where you want to look for it, the column number in the range containing the value to return, return an Approximate or Exact match – indicated as 1/TRUE, or 0/FALSE).

HLOOKUP Function: It Searches for a value in the top row of a table or an array of values, and then returns a value in the same column from a row you specify in the table or array.

Its syntax is,

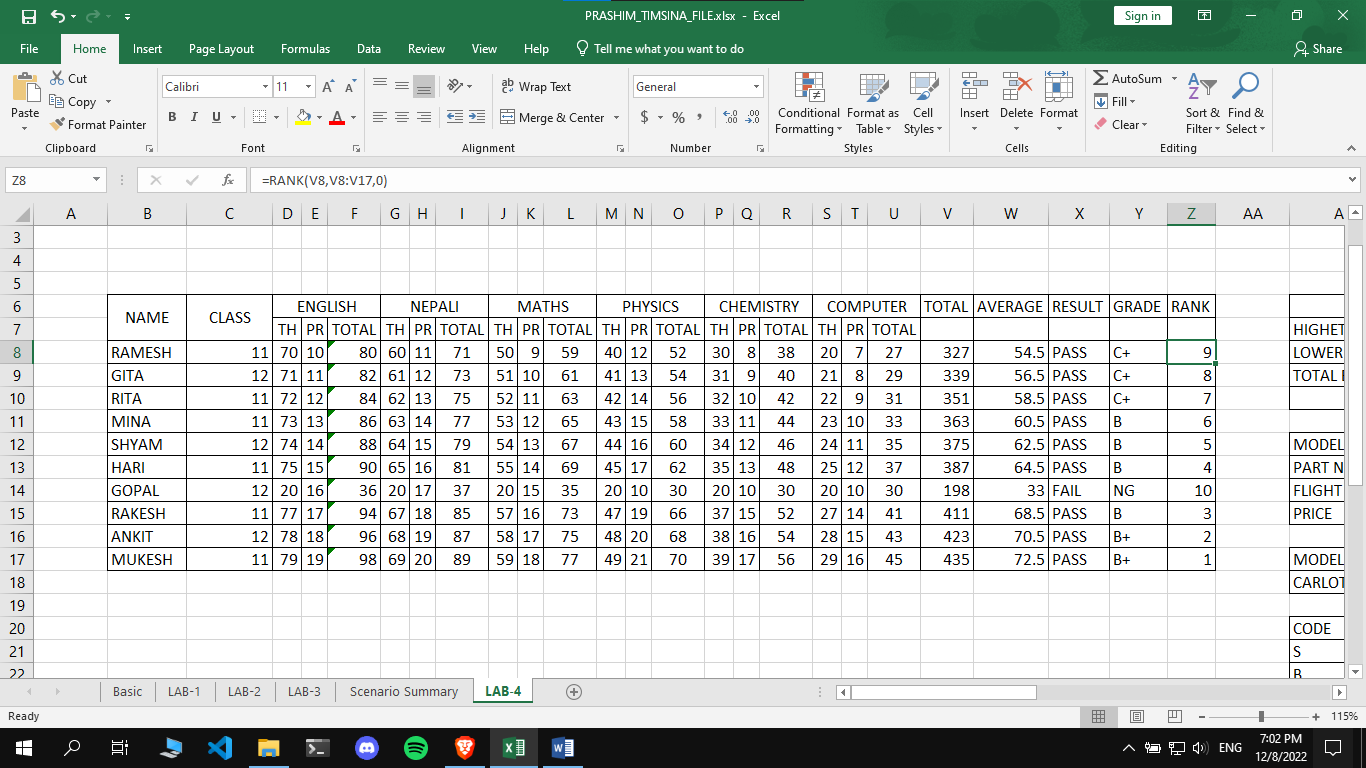
=HLOOKUP(What you want to look up, where you want to look for it, the row number in the range containing the value to return, return an Approximate or Exact match – indicated as 1/TRUE, or 0/FALSE).

Result sheet: Result sheet of students is a piece of data about the performance record of a students in terminal or internal examinations.

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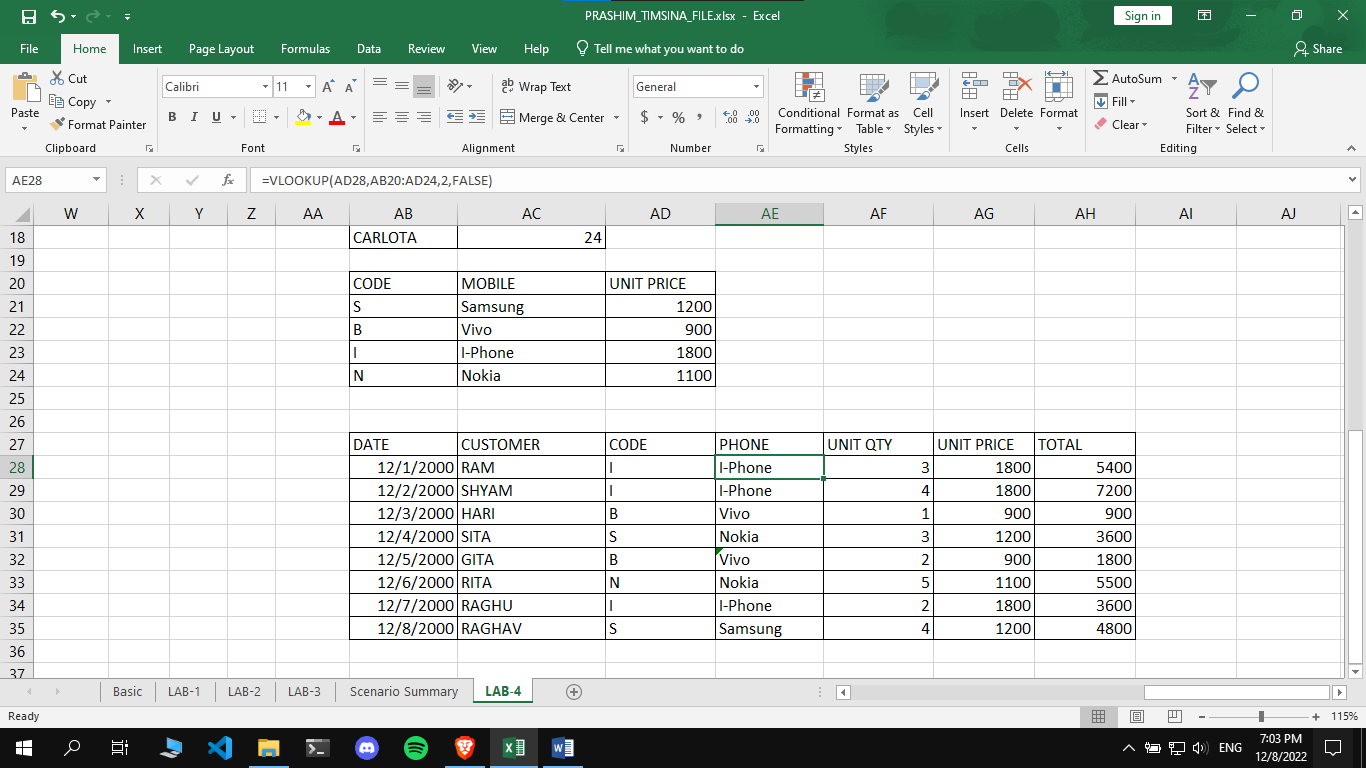
**4. Work Done**

1) Students Result Sheet



2) VLOOKUP Function

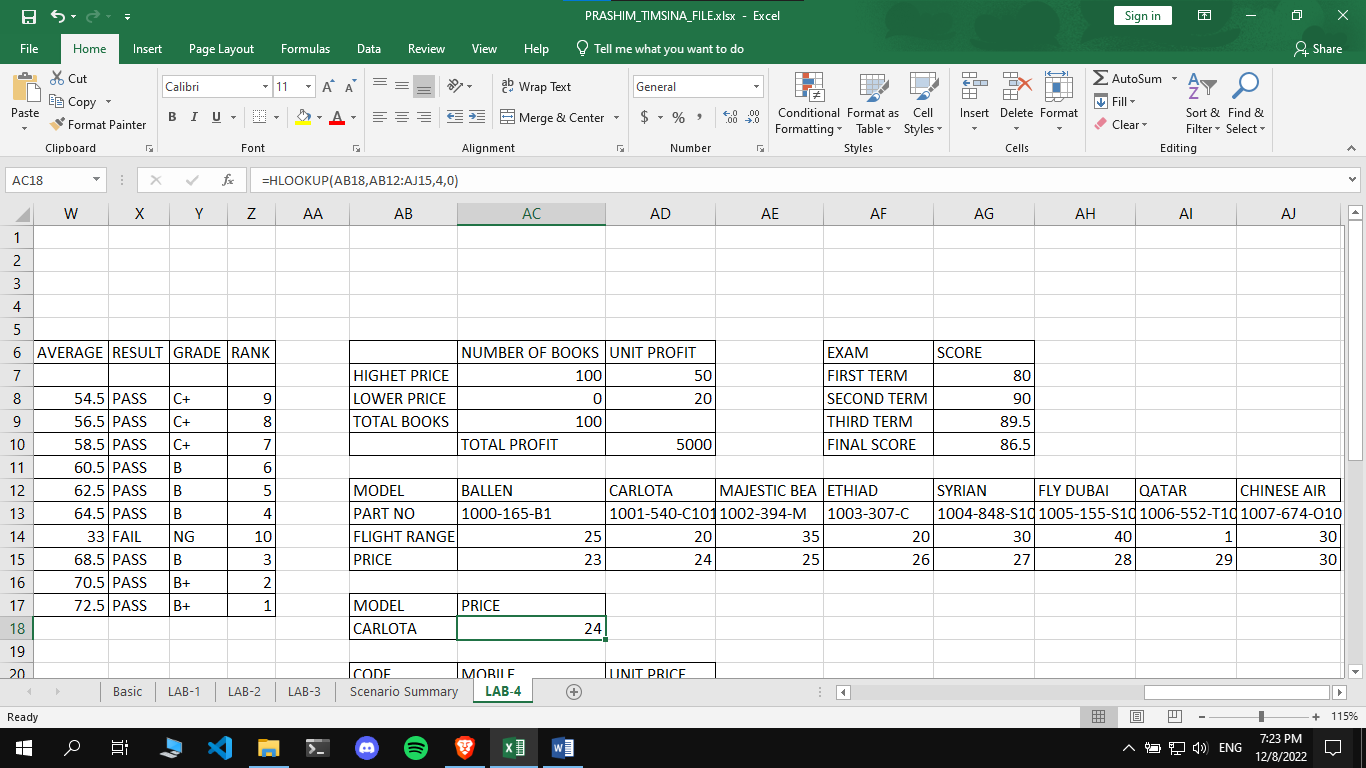
VLOOKUP Function can be accessed by using =VLOOKUP parameters



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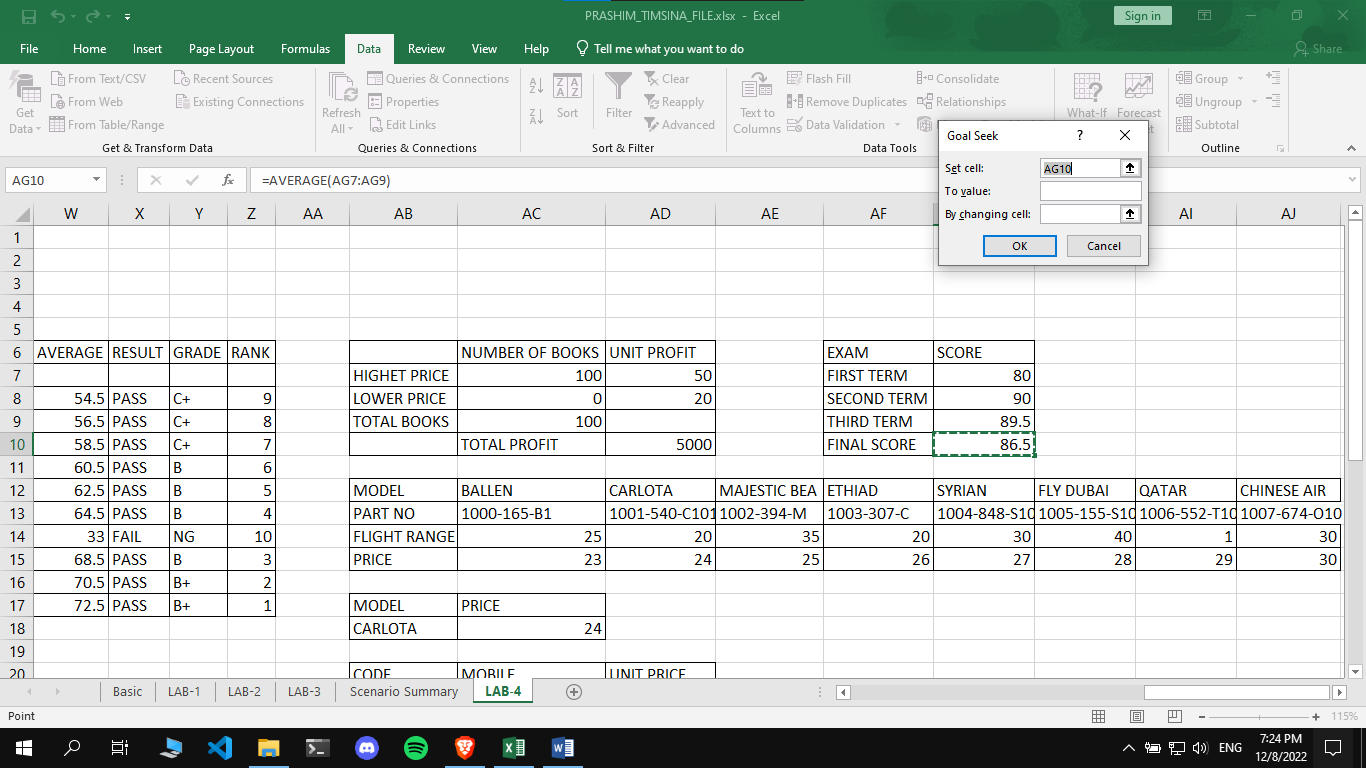
3) HLOOKUP Function

HLOOKUP Function can be triggered by using =HLOOKUP parameters.



4) Goal Seek Manager

You can access goal seek manager in the data tab at the top left corner.



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