

Practical 6

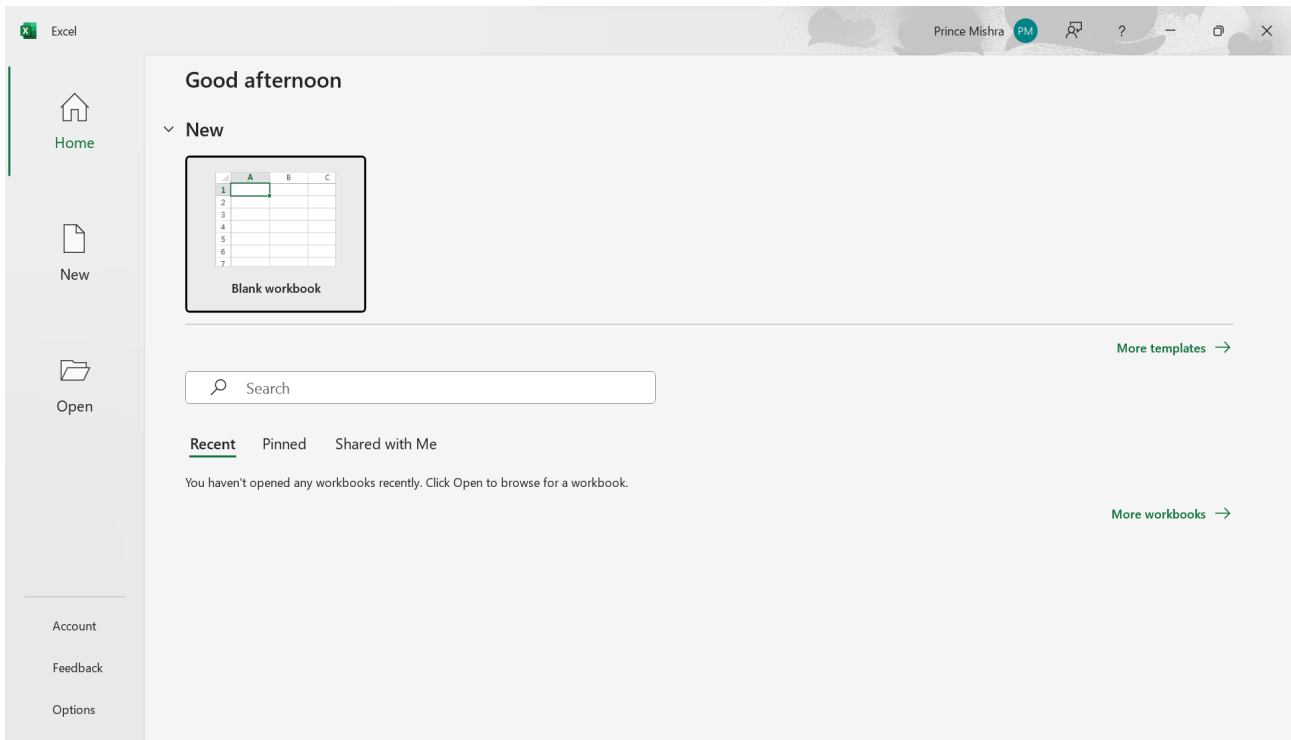
AIM: Demonstration of different Arithmetic and Logical Formulas using MS Excel.

Microsoft Excel (MS Excel), the spreadsheet program offered free of charge by [microsoft365.com](https://www.microsoft.com/365), allows you to perform calculations on data entered into the spreadsheet.

MS Excel **formulas** for basic number crunching, such as addition or subtraction, as well as more complex calculations such as payroll deductions or averaging a student's test results.

In addition, if you change the **data**, MS Excel will automatically recalculate the answer without you having to re-enter the formula.

The following step shows how to Create and use a basic formula in MS Excel.

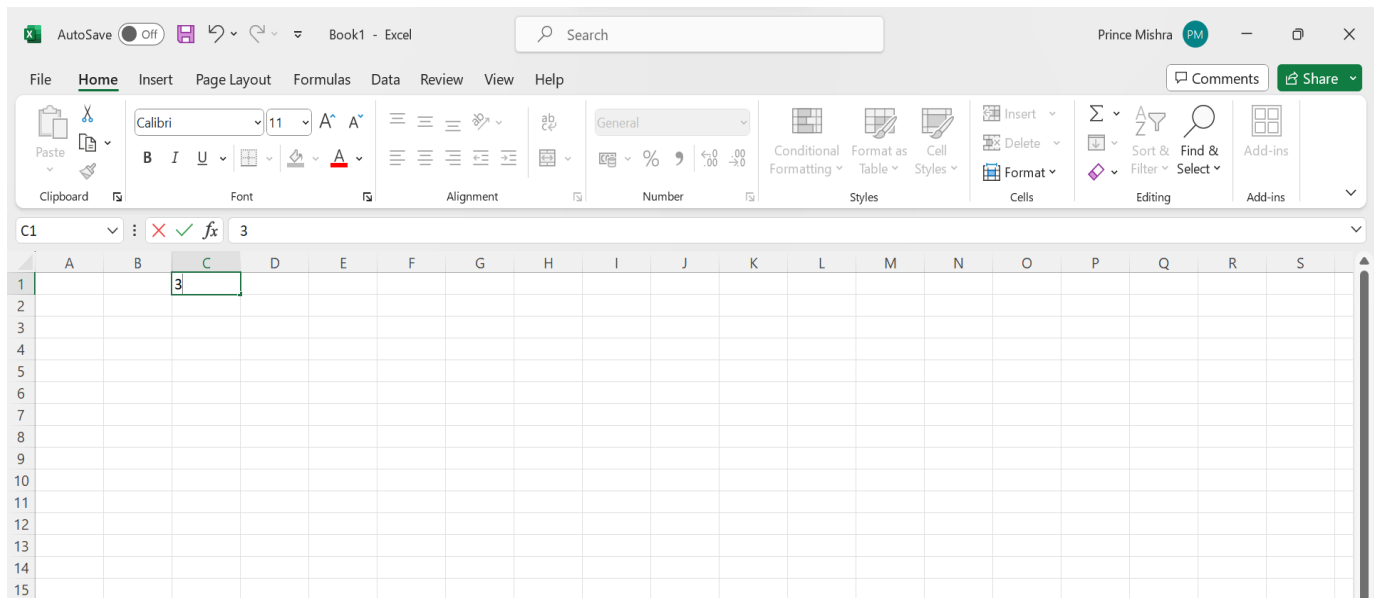


Entering the Data

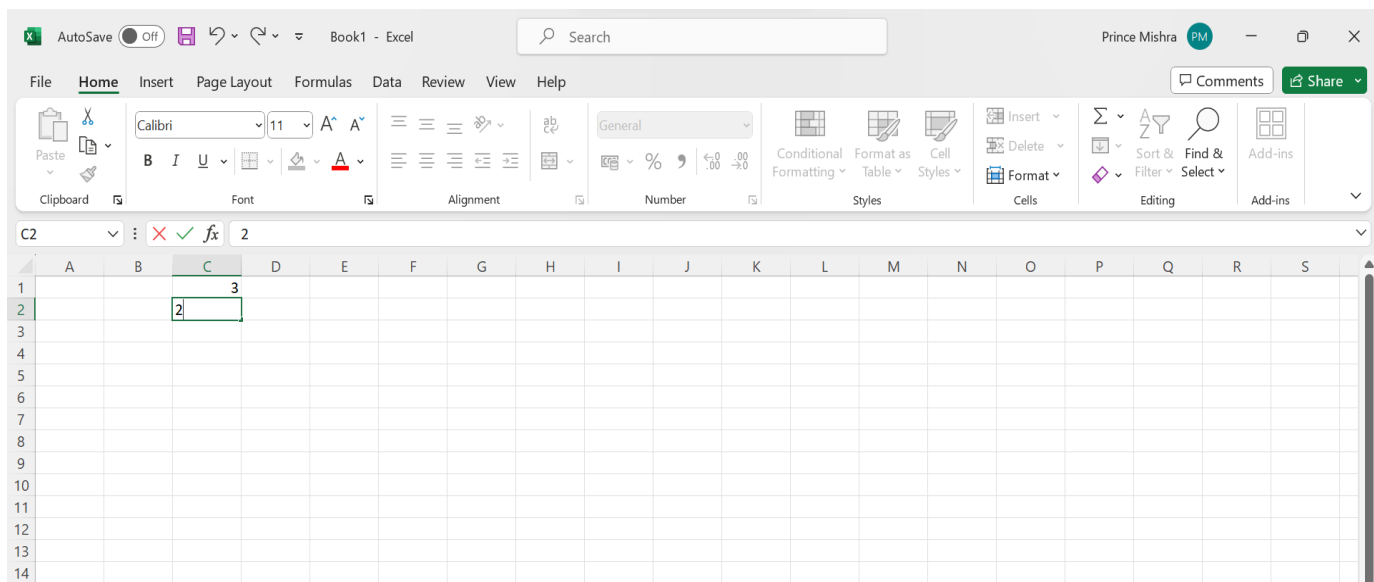
The steps used to create this formula are the same ones to follow when writing more complex formulas. The formula will add the numbers 3 + 2. The final formula will look like this:

= C1 + C2

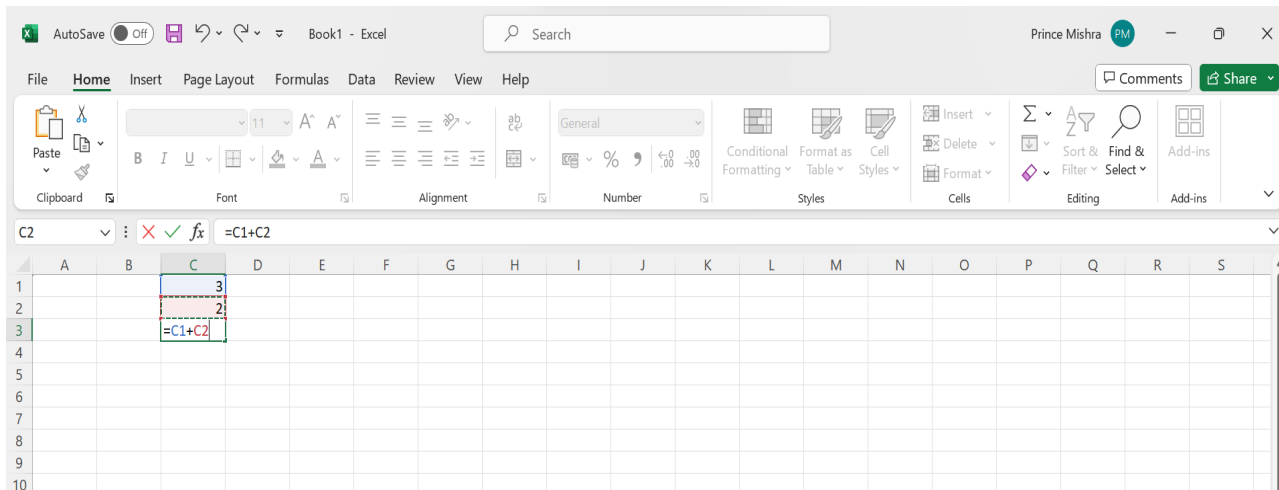
Select the **cell_C1** and enter 3, then press **Enter**.



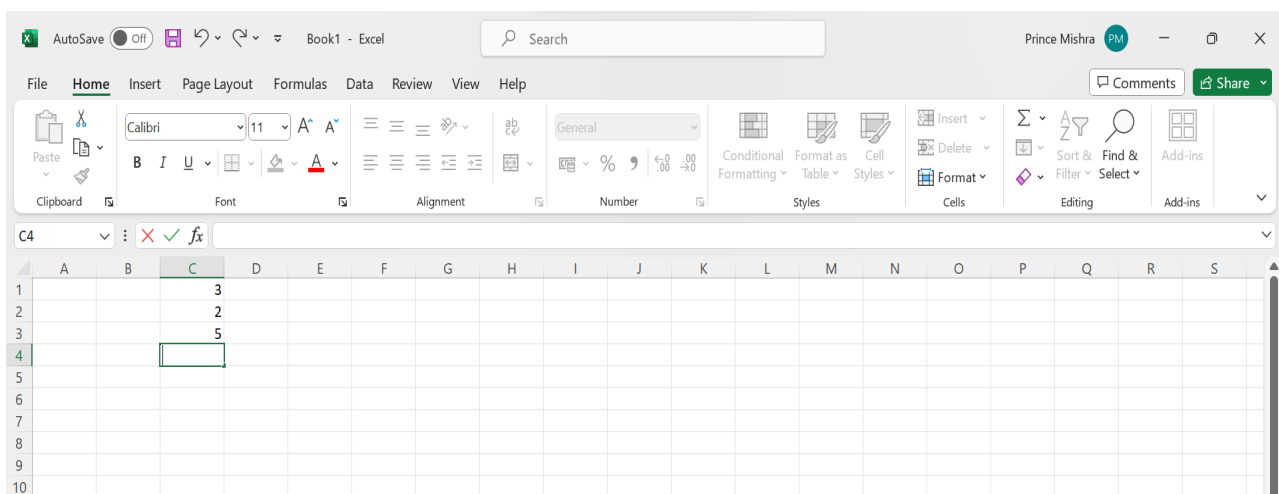
Select the **cell_C2** and enter 2, then press **Enter**.



Now select cell **C3**. This is where we'll enter the basic addition formula.



When creating formulas in MS Excel, you always start by typing the equals sign. Type it in the cell where you want the answer to appear.

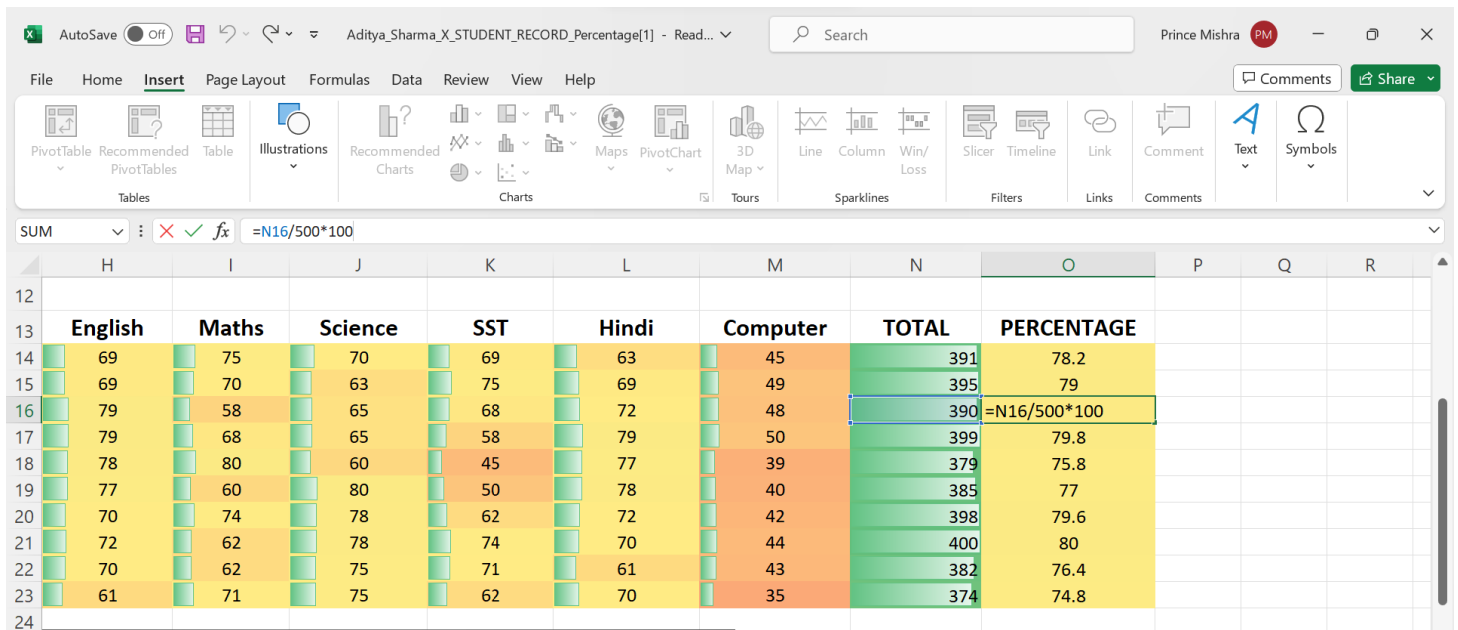


Following the equals sign, we add in the cell references of the cells containing our data.

By using the cell references of our data in the formula, the formula will automatically update the answer if the data in cells **C1** and **C2** changes.

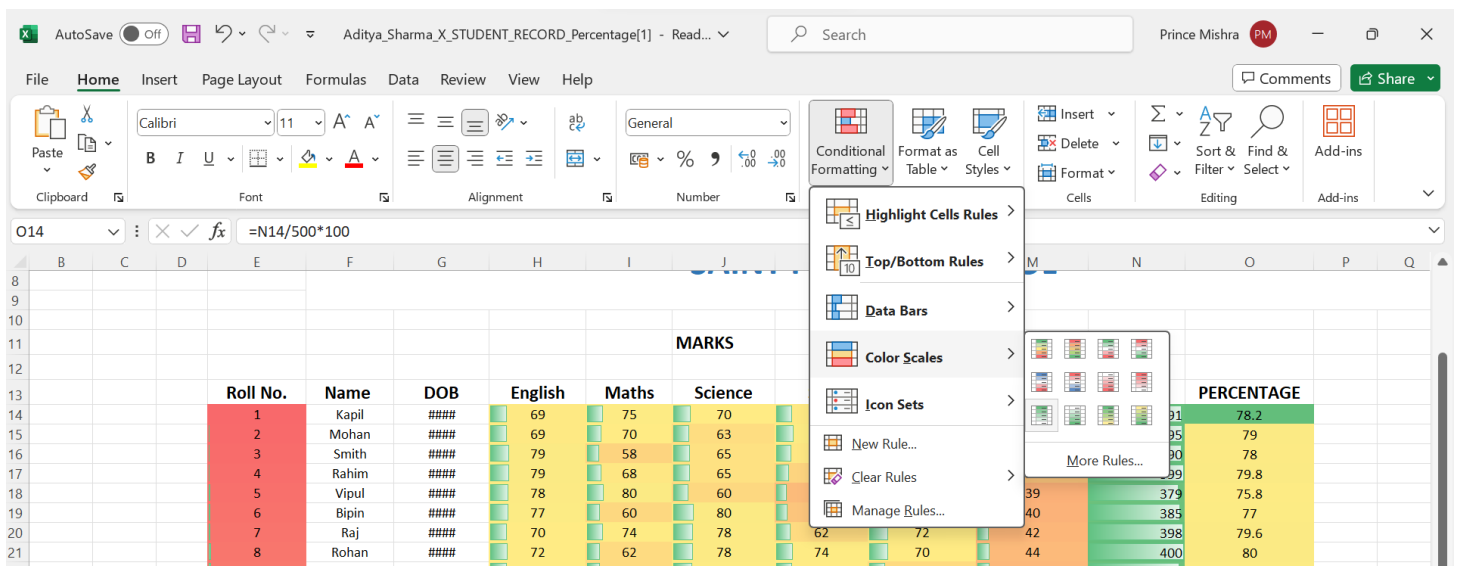
Student record with conditional formatting in MS Excel...

Following shows how to calculate the percentage based on the given data...



	English	Maths	Science	SST	Hindi	Computer	TOTAL	PERCENTAGE
14	69	75	70	69	63	45	391	78.2
15	69	70	63	75	69	49	395	79
16	79	58	65	68	72	48	390	=N16/500*100
17	79	68	65	58	79	50	399	79.8
18	78	80	60	45	77	39	379	75.8
19	77	60	80	50	78	40	385	77
20	70	74	78	62	72	42	398	79.6
21	72	62	78	74	70	44	400	80
22	70	62	75	71	61	43	382	76.4
23	61	71	75	62	70	35	374	74.8

Following shows how to conditionally format the excel sheet based on the given data...



Roll No.	Name	DOB	English	Maths	Science	PERCENTAGE
1	Kapil	####	69	75	70	78.2
2	Mohan	####	69	70	63	79
3	Smith	####	79	58	65	78
4	Rahim	####	79	68	65	79.8
5	Vipul	####	78	80	60	75.8
6	Bipin	####	77	60	80	77
7	Raj	####	70	74	78	79.6
8	Rohan	####	72	62	78	80
9	Karan	####	70	63	75	76.4

Following shows how to insert different types of graph to make Excel sheet look creative and attractive..

