

Practical 13

Excel Student Result Management

Aim

To analyze student marks using Excel tools.

Objectives

- To apply Excel formulas
- To create charts

Materials Required

- MS Excel

Procedure

1. Enter student data – Input students' names, marks, and other required details into the spreadsheet.
2. Use Flash Fill – Apply Flash Fill to automatically complete patterns such as separating names or formatting data.
3. Replace incorrect values – Identify errors and use Find & Replace or manual correction to fix inaccurate entries.
4. Calculate pass/fail using IF – Create an IF formula to determine whether each student passes or fails based on their score.
5. Use COUNTIF and AVERAGE – Apply COUNTIF to count specific results and AVERAGE to compute the class's mean score.
6. Create charts – Generate visual charts to represent student performance trends or score distributions.
7. Apply conditional formatting – Use color-based formatting to highlight important values, such as low scores or top performers.

Output

excel.cloud.microsoft/open/onedrive?docId=C946A3D97F71119A%21s4cc3ef613541425bbc9ea2eda8f32fa2&driveId=c946a3d97f71119a

Search for tools, help, and more (Option + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Aptos Narrow... 11 B General \$€ ¥ .00

P8

	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Total Marks	first name	last name	pass/fail	count
1	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	235	Rahul	Verma	pass	3
2	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	253	Neha	Sharma	pass	
3	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	268	Aman	Khan	pass	
4	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	100	Pooja	Patel	fail	
5	Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	251	Suresh	Das	pass	
6	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	90	Ankit	Singh	fail	
7	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	275	Riya	Gupta	pass	
8	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	243	Mohit	Jain	pass	
9	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	269	Sneha	Iyer	pass	
10	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	235	Karan	Malhotra	pass	

student_data marks_analysis charts +

excel.cloud.microsoft/open/onedrive?docId=C946A3D97F71119A%21s4cc3ef613541425bbc9ea2eda8f32fa2&driveId=c946a3d97f71119a

Search for tools, help, and more (Option + Q)

Buy Microsoft 365

File Home Insert Share Page Layout Formulas Data Review View Help Draw

Comments Catch up Editing Share

Aptos Narrow... 11 B General \$€ ¥ .00

O10

	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Avg	Min	Max
1	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	58.75	75	82
2	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	63.25	80	88
3	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	67	86	92
4	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	25	10	50
5	Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	62.75	79	88
6	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	22.5	10	60
7	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	75	89	94
8	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	64.5	77	85
9	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	76.5	88	91
10	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	61.5	79	82

student_data marks_analysis charts +

