

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~

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Student_data

	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Total Marks	First Name	Last Name	Pass/Fail	count(belong to delhi)	Pass/Fail2	Counts
2	Rahul Verma	1	9	delhi	Math	78	Science	82	English	75	235	Rahul Verma	pass		3	Pass	13
3	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	253	Neha Sharma	pass			Fail	2
4	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	268	Aman Khan	pass				
5	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	100	Pooja Patel	fail				
6	Suresh Das	5	9	delhi	Science	88	Math	84	Geography	79	251	Suresh Das	pass				
7	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	90	Ankit Singh	fail				
8	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	275	Riya Gupta	pass				
9	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	243	Mohit Jain	pass				
10	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	269	Sneha Iyer	pass				
11	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	235	Karan Malhotra	pass				
12	Aditi Rao	11	9	Bengaluru	English	86	History	83	Science	88	257	Aditi Rao	pass				
13	Nikhil Pawar	12	9	Pune	Math	89	Science	91	Geography	87	267	Nikhil Pawar	pass				
14	Simran Kaur	13	9	delhi	English	80	Punjabi	85	Science	78	243	Simran Kaur	pass				
15	Arjun Mehta	14	9	Mumbai	Math	93	Science	90	English	92	275	Arjun Mehta	pass				
16	Kavya Nair	15	9	Kochi	Science	87	Math	84	English	89	260	Kavya Nair	pass				
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Marks_Analysis

	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Average	Min	Max	
2	Rahul Verma	1	9	delhi	Math	78	Science	82	English	75	78	75	82	
3	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	84	80	88	
4	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	89	86	92	
5	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	33	10	50	
6	Suresh Das	5	9	delhi	Science	88	Math	84	Geography	79	84	79	88	
7	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	30	10	60	
8	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	92	89	94	
9	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	81	77	85	
10	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	90	88	91	
11	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	78	74	82	
12	Aditi Rao	11	9	Bengaluru	English	86	History	83	Science	88	86	83	88	
13	Nikhil Pawar	12	9	Pune	Math	89	Science	91	Geography	87	89	87	91	
14	Simran Kaur	13	9	delhi	English	80	Punjabi	85	Science	78	81	78	85	
15	Arjun Mehta	14	9	Mumbai	Math	93	Science	90	English	92	92	90	93	
16	Kavya Nair	15	9	Kochi	Science	87	Math	84	English	89	87	84	89	
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