

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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Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Mark s3	Total Marks	first name	last name	pass/fail	count
Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	235	Rahul	Verma	pass	3
Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	253	Neha	Sharma	pass	
Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	268	Aman	Khan	pass	
Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	100	Pooja	Patel	fail	
Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	251	Suresh	Das	pass	
Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	90	Ankit	Singh	fail	
Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	275	Riya	Gupta	pass	
Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	243	Mohit	Jain	pass	
Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	269	Sneha	Iyer	pass	
Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	235	Karan	Malhotra	pass	

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Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Avg	Min	Max
Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	58.75	75	82
Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	63.25	80	88
Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	67	86	92
Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	25	10	50
Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	62.75	79	88
Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	22.5	10	60
								Comput	64			

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