

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 Marks3 Total Marks FIRST NAME LAST NAME Pass/fail Count PASS FAIL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	Name	Roll No	Class	City	Subj1	Marks1	Subj2	Marks2	Subj3	Marks3	Total Marks	FIRST NAME	LAST NAME	Pass/fail	Count	PASS	FAIL						
2	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	235	Rahul Verma	PASS	3	13	2							
3	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	253	Neha Sharma	PASS										
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										
17																							

student-data marks-analysis charts

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Name Roll No Class City Subj1 Mark s1 Subj2 Mark s2 Subj3 Mark s3 Average MAX MIN

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R						
1	Name	Roll No	Class	City	Subj1	Mark s1	Subj2	Mark s2	Subj3	Mark s3	Average	MAX	MIN											
2	Rahul Verma	1	9	Delhi	Math	78	Science	82	English	75	78.3333	82	75											
3	Neha Sharma	2	9	Jaipur	English	85	History	80	Science	88	84.3333	88	80											
4	Aman Khan	3	9	Lucknow	Math	90	Computer	92	Science	86	89.3333	92	86											
5	Pooja Patel	4	9	Surat	Math	50	English	10	Hindi	40	33.3333	50	10											
6	Suresh Das	5	9	Delhi	Science	88	Math	84	Geography	79	83.6667	88	79											
7	Ankit Singh	6	9	Patna	Math	60	Science	10	English	20	30	60	10											
8	Riya Gupta	7	9	Noida	English	92	Science	89	Computer	94	91.6667	94	89											
9	Mohit Jain	8	9	Indore	Math	81	English	77	Science	85	81	85	77											
10	Sneha Iyer	9	9	Chennai	Science	90	Math	88	English	91	89.6667	91	88											
11	Karan Malhotra	10	9	Chandigarh	Math	74	Science	79	Computer	82	78.3333	82	74											
12	Aditi Rao	11	9	Bengaluru	English	86	History	83	Science	88	85.6667	88	83											
13	Nikhil Pawar	12	9	Pune	Math	89	Science	91	Geography	87	87	89	81											
14	Simran Kaur	13	9	Delhi	English	80	Punjabi	85	Science	78	81	85	78											
15	Arjun Mehta	14	9	Mumbai	Math	93	Science	90	English	92	91.6667	93	90											
16	Kavya Nair	15	9	Kochi	Science	87	Math	84	English	89	86.6667	89	84											
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