

## ii. Flashcards

Combinational Flashcards  
Based on 2 sources

Press "Space" to flip, "← / →" to navigate

What is the defining characteristic of a combinational logic circuit's output?

See answer

Restart 1 / 62 cards Download

Good content Bad content

NotebookLM can be inaccurate; please double check its responses.

Combinational Flashcards  
Based on 2 sources

Combinational circuits have no memory to store previous input states, whereas sequential circuits do.

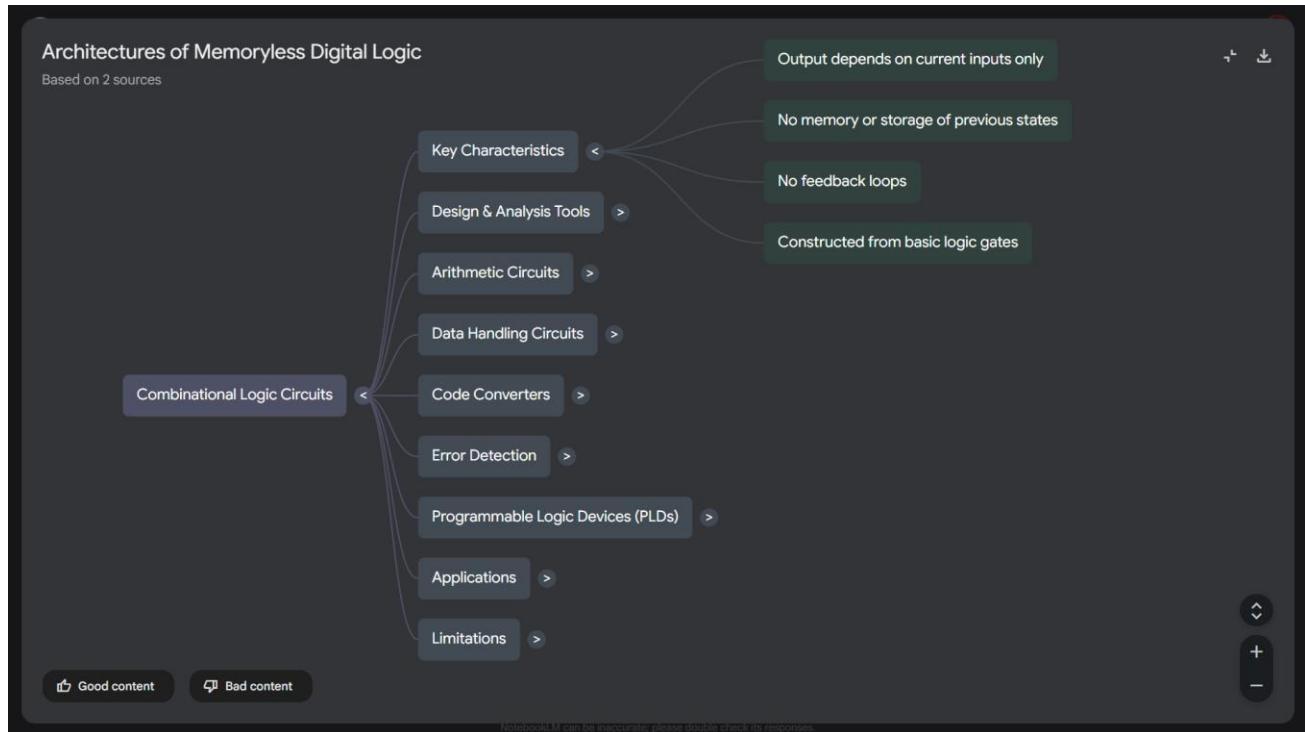
Explain

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Good content Bad content

NotebookLM can be inaccurate; please double check its responses.

### iii. Concept map / explanation: -



## **PRACTICAL – 13**

**OBJECTIVE:** - Create a complete Student Result Management workbook.

- (a) Create a new workbook with 3 sheets renamed as:
  - i. Student Data
  - ii. Marks Analysis
  - iii. Charts
- (b) In Student Data, enter a list of 15 students with:
- (c) Name, Roll No, Class, City, Subject1, Subject2, Subject3.
- (d) Use Flash Fill to split “Full Name” into “First Name” and “Last Name”.
- (e) Use Find & Replace to replace city name “Delhii” with correct “Delhi”.
- (f) Use IF function to calculate Pass/Fail (Pass = total  $\geq$  120).
- (g) Use COUNTIF to find how many students belong to “Delhi”.
- (h) Use AVERAGE, MAX, MIN to analyse marks in the Marks Analysis sheet.
- (i) On the Charts sheet, create:
  - i. A Bar Chart showing marks of any one subject.
  - ii. A Pie Chart showing percentage of pass vs fail.
- (j) Apply Conditional Formatting to highlight marks  $< 40$  in red.
- (k) Convert the table into a formatted Excel Table.

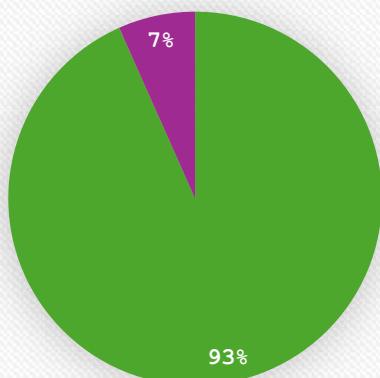
Full Name	Roll No	Class	City	Subject1	Subject2	Subject3	Total	Result
Rahul Sharma	1	10A	Delhii	45	50	40	135	Pass
Anita Verma	2	10A	Delhi	60	55	50	165	Pass
Amit Singh	3	10B	Delhii	30	40	45	115	Fail
Neha Gupta	4	10B	Mumbai	70	60	65	195	Pass
Rohit Kumar	5	10A	Delhi	55	40	35	130	Pass
Priya Mehta	6	10C	Delhii	80	75	70	225	Pass
Suresh Yadav	7	10C	Delhi	50	45	40	135	Pass
Kavita Joshi	8	10A	Pune	65	60	55	180	Pass
Vikas Patel	9	10B	Delhi	40	35	45	120	Pass
Pooja Nair	10	10C	Kochi	75	80	70	225	Pass
Arjun Malhotra	11	10A	Delhii	55	60	50	165	Pass

Sneha Roy	12	10B	Kolkata	45	50	55	150	Pass
Manish Jain	13	10C	Delhi	35	40	45	120	Pass
Riya Chawla	14	10A	Delhi	60	65	55	180	Pass
Nitin Agarwal	15	10B	Delhi	70	75	80	225	Pass

Subject	Average		Max		Min		Result	Count
Subject1	55.66666667		80		30		Pass	14
Subject2	55.33333333		80		35		Fail	1
Subject3	53.33333333		80		35			
Full Name	Roll No	Class	City	Subject1	Subject2	Subject3	Total	Result
Rahul Sharma	1	10A	Delhi	45	50	40	135	Pass
Anita Verma	2	10A	Delhi	60	55	50	165	Pass
Amit Singh	3	10B	Delhi	30	40	45	115	Fail
Neha Gupta	4	10B	Mumbai	70	60	65	195	Pass
Rohit Kumar	5	10A	Delhi	55	40	35	130	Pass
Priya Mehta	6	10C	Delhi	80	75	70	225	Pass
Suresh Yadav	7	10C	Delhi	50	45	40	135	Pass
Kavita Joshi	8	10A	Pune	65	60	55	180	Pass
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■ Rahul Sharma    ■ Anita Verma    ■ Amit Singh    ■ Neha Gupta    ■ Rohit Kumar  
■ Priya Mehta    ■ Suresh Yadav    ■ Kavita Joshi    ■ Vikas Patel    ■ Pooja Nair  
■ Arjun Malhotra    ■ Sneha Roy    ■ Manish Jain    ■ Riya Chawla    ■ Nitin Agarwal

### Pass vs Fail



■ Pass    ■ Fail