HLOOKUP LAB

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Exercise Question on Hlookup Lab:

	Jan	Feb	Mar	Apr	May
Product A	120	130	140	150	160
Product B	150	160	170	180	190
Product C	200	210	220	230	240
Product D	90	100	110	120	130
Product E	220	230	240	250	260
Product F	130	140	150	160	170

1. Use HLOOKUP to find the sales for Product A in March.

Step1: Locate the **header row (**Row 1**)** where the months (Jan, Feb, Mar, etc.) are mentioned.

Step2: Identify the **lookup value:" Mar".**

Step3: Define the table array: **$A$1: $F$6**.

Step4: Locate the row index for **Product A**, which is Row 2.

Step5: Use the HLOOKUP formula:

=HLOOKUP ("Mar", $A$1: $F$6, 2, FALSE)

Step6: The formula searches for "Mar" in the header and retrieves the corresponding value in Row 2.

ANSWER: 140

2. Use HLOOKUP to find the sales for Product D in May.

Step1: Identify the **lookup value: "May".**

Step2: Define the table array: **$A$1: $F$6.**

Step3: Locate the row index for **Product D,** which is Row 5.

Step4: Use the HLOOKUP formula:

=HLOOKUP ("May", $A$1: $F$6, 5, FALSE)

Step5: The formula searches for "May" in the header and retrieves the corresponding value in Row 5.

ANSWER: 130

3. Use HLOOKUP to find the sales for Product C in February.

Step1: Identify the **lookup value: "Feb".**

Step2: Define the table array: **$A$1: $F$6.**

Step3: Locate the row index for **Product C,** which is Row 4.

Step4: Use the HLOOKUP formula:

=HLOOKUP ("Feb", $A$1: $F$6, 4, FALSE)

Step5: The formula searches for "Feb" in the header and retrieves the corresponding value in Row 4.

ANSWER: 210

4. Question: Use HLOOKUP to find the sales for each month for Product B, then calculate the total sales.

Step1: Use HLOOKUP to retrieve the sales values for **Product B** (Row3) across all months:

- **January: =HLOOKUP ("Jan", $A$1: $F$6, 3, FALSE) → 150**
- **February: =HLOOKUP ("Feb", $A$1: $F$6, 3, FALSE) → 160**
- **March: =HLOOKUP ("Mar", $A$1: $F$6, 3, FALSE) → 170**
- **April: =HLOOKUP ("Apr", $A$1: $F$6, 3, FALSE) → 180**
- **May: =HLOOKUP ("May", $A$1: $F$6, 3, FALSE) → 190**

Step2: Use the SUM formula to calculate the total:

=SUM (150, 160, 170, 180, 190)

ANSWER: 850

5. Use HLOOKUP to find the maximum sales value for Product B across all months.

Step1: Retrieve all the sales values for **Product B** across all months:

- **January to May: 150, 160, 170, 180, 190**

Step2: Use the MAX formula:

=MAX (B3:F3)

ANSWER: 190

6. Use HLOOKUP to find the minimum sales value for Product F across all months.

Step1: Retrieve all the sales values for **Product F** across all months:

- **January to May: 130, 140, 150, 160, 170**

Step2: Use the MIN formula:

=MIN (B7:F7)

ANSWER: 130

7. Use HLOOKUP to find the average sales value for Product E across all months.

Step1: Retrieve all the sales values for **Product E** across all months:

- **January to May: 220, 230, 240, 250, 260**

Step2: Use the AVERAGE formula:

=AVERAGE (B6:F6)

ANSWER: 240