

# ASSIGNMENT NO. 4

## TOPIC: - HLOOKUP FUNCTION

**Assume you have the following dataset in an Excel worksheet starting from cell**

Worksheet: Sales Data

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

**Ans: -**

The screenshot shows an Excel worksheet titled "Assignment No. 4". The worksheet contains a table of sales data starting from cell B1. The table has 7 columns (A to G) and 6 rows (1 to 6). The data is as follows:

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

Below the table, there is a formula bar showing the formula: `=HLOOKUP(B1,B1:G6,4,FALSE)`. The formula is entered in cell B9. The result of the formula, 140, is displayed in cell B9. The worksheet is named "Sheet1".

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

Ans: -

The screenshot shows an Excel spreadsheet titled "Assignment No. 4". The data table is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Product	Product A	Product B	Product C	Product D	Product E	Product F						
2	Jan	120	150	200	90	220	130						
3	Feb	130	160	210	100	230	140						
4	Mar	140	170	220	110	240	150						
5	Apr	150	180	230	120	250	160						
6	May	160	190	240	130	260	170						

Below the table, a new row is added with the following data:

	A	B
8	Product	Product D
9	May	130

The formula bar shows the formula: `=HLOOKUP(B8,B1:G6,6,FALSE)`. The status bar at the bottom indicates "Activate Windows" and "Go to Settings to activate Windows."

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

Ans: -

The screenshot shows an Excel spreadsheet titled "Assignment No....". The data table is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Product	Product A	Product B	Product C	Product D	Product E	Product F											
2	Jan	120	150	200	90	220	130		Product	Product C								
3	Feb	130	160	210	100	230	140		Feb	210								
4	Mar	140	170	220	110	240	150											
5	Apr	150	180	230	120	250	160											
6	May	160	190	240	130	260	170											

The formula bar shows the formula: `=HLOOKUP(D1,B1:G6,3,FALSE)`. The status bar at the bottom indicates "Activate Windows" and "Go to Settings to activate Windows."

#### 4. Use HLOOKUP to find the sales for Each Month for a Product, then Calculate the total Sales for that Product.

Ans: -

The screenshot shows an Excel spreadsheet with two tables. The first table lists sales for six products (A-F) across five months (Jan-May). The second table uses HLOOKUP to find the total sales for each product across all months.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Product	Product A	Product B	Product C	Product D	Product E	Product F								
2	Jan	120	150	200	90	220	130		Product	Total Sales For Product all Months					
3	Feb	130	160	210	100	230	140		Product A	700					
4	Mar	140	170	220	110	240	150		Product B	850					
5	Apr	150	180	230	120	250	160		Product C	1100					
6	May	160	190	240	130	260	170		Product D	550					
7									Product E	1200					
8									Product F	750					

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

Ans: -

The screenshot shows the same sales data table as before, but the summary table now uses HLOOKUP to find the maximum sales value for Product B across all months.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Product	Product A	Product B	Product C	Product D	Product E	Product F								
2	Jan	120	150	200	90	220	130		Product	Maximum Value Across all Months					
3	Feb	130	160	210	100	230	140		Product B	190					
4	Mar	140	170	220	110	240	150								
5	Apr	150	180	230	120	250	160								
6	May	160	190	240	130	260	170								

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

Ans: -

The screenshot shows an Excel spreadsheet with a table of sales data. The table has columns for months (Jan to May) and products (Product A to Product F). The formula bar shows the formula `=MIN(G2:G6)` in cell J2, which returns the value 130. The table data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Product	Product A	Product B	Product C	Product D	Product E	Product F							
2	Jan	120	150	200	90	220	130		Product	Minimum Sales Value Across All Months				
3	Feb	130	160	210	100	230	140		Product F	130				
4	Mar	140	170	220	110	240	150							
5	Apr	150	180	230	120	250	160							
6	May	160	190	240	130	260	170							

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

Ans: -

The screenshot shows an Excel spreadsheet with a table of sales data. The table has columns for months (Jan to May) and products (Product A to Product F). The formula bar shows the formula `=AVERAGE(F2:F6)` in cell J2, which returns the value 240. The table data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Product	Product A	Product B	Product C	Product D	Product E	Product F							
2	Jan	120	150	200	90	220	130		Product	Average Sales Value Across All Months				
3	Feb	130	160	210	100	230	140		Product E	240				
4	Mar	140	170	220	110	240	150							
5	Apr	150	180	230	120	250	160							
6	May	160	190	240	130	260	170							