HLOOKUP LAB

Worksheet: Sales Data

	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	50	100	110	120	130
Product E	220	230	240	250	260
Product F	130	140	150	160	170

Ques1: Use HLOOKUP to find the sales for Product A in March.

Solution:

Step 1:Click on an empty cell(I3) and create a table to find the sales of Product A.

Step 2: Write the following formula on empty cell

=HLOOKUP(H4,A1:F7,2,0) where H4 is the lookup value and **A1:F7** is the table array and **2** is the row number.

	Sales of Product A
Mar	**140**

Ques2: Use HLOOKUP to find the sales for Product D in May.

Solution:

Step 1:Click on an empty cell(I7) and create a table to find the sales of Product D.

Step2: Write the following formula on empty cell

=HLOOKUP(H8,A1:F7,5,0) where **H8** is the lookup value and **A1:F7** is the table array and **5** is the row number and **0** is for exact match.

	Sales of Product D
May	**130**

Ques3: Use HLOOKUP to find the sales for Product C in February.

Solution:

Step1: Click on an empty cell(I13) and create a table to find the sales of Product C.

Step2: Write the following formula on empty cell

=HLOOKUP(H14,A1:F7,4,0) where H14 is the lookup value and **A1:F7** is the table array

and **4** is the row number and **0** is for exact match.

	Sales of Product C
Feb	**210**

Ques4: Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.

Solution:

Step1: Click on an empty cell(I18) and create a table to find the sales for each month.

Step2:Use the following formula to calculate the sales of a product for each month

=HLOOKUP(H19,B1:F7,2,0) where **H19** is the lookup value, **B1:F7** is the table array, **2** is the row number and **0** is for exact match.

Step3:Above formula is used to calculate the Sales for one month, we can calculate sales of other month from the same formula by changing the Lookup value.

Step4:In column(J19) use the Formula **=SUM(I19:I23)** to get the total sales of a product.

Month	Sales of Product A	Total sales of Product A
Jan	**120**	**700**
Feb	**130**	
Mar	**140**	
Apr	**150**	
May	**160**	

Ques5: Use HLOOKUP to find the maximum sales value for Product B across all months.

Solution:

Step1: Click on an empty cell(I25) and create a table to find the sales for each month for Product B.

Step2:Use the following formula to calculate the sales for each Month of Product B

=HLOOKUP(H26,A1:F7,3,0) where **H26** is the lookup value, **A1:F7** is the table array, **3** is the row number and **0** is for exact match.

Step3: Above formula is used to calculate the Sales for one month, we can calculate sales of other month from the same formula by changing the Lookup value.

Step4:In column J26 use the following formula to calculate the Maximum sales of product B

=MAX(I26:I30) where **I26:I30** is the table values.

Month	Sales of Product B	Max Sale of Product B
Jan	150	190
Feb	160	
Mar	170	
Apr	180	
May	190	

Ques6: Use HLOOKUP to find the minimum sales value for Product F across all months.

Solution:

Step1: Click on an empty cell(M4) and create a table to find the sales for each month for Product F.

Step2: we can use the same formula as used in Question 5 to get Sales of the Product F across all months only by changing the row index number from 3 to 7.

Step3:In column N5 use the following formula to calculate the Minimum sales value for Product F

=MIN(M5:M9).

Month	Sales of Product F	Min Sale of Product F
Jan	130	130
Feb	140	
Mar	150	
Apr	160	
May	170	

Ques7: Use HLOOKUP to find the average sales value for Product E across all months.

Solution:

Step1: Click on an empty cell(M12) and create a table to find the sales for each month for Product E.

Step2: we can use the same formula as used in Question 5 to get Sales of the Product F across all months only by changing the row index number from 3 to 6.

Step3: In column N5 use the following formula to calculate the Average sales value for Product F

=AVERAGE(M13:M17)

Month	Sales of Product E	Avg. Sale of Product E
Jan	220	240
Feb	230	
Mar	240	
Apr	250	
May	260	