**HLOOKUP Function in Excel**

HLOOKUP stands for **Horizontal Lookup**. It is used to **search for a value in the first row** of a table and return a value in the same column from a specified row.

**Syntax**

HLOOKUP(lookup\_value, table\_array, row\_index\_num, [range\_lookup])

**Parameters**

* **lookup\_value**: The value to search for in the first row of the table.
* **table\_array**: The range of cells that contains the data.
* **row\_index\_num**: The row number (relative to the table) from which to return the value.
* **range\_lookup**: Optional.
  + TRUE for approximate match (default)
  + FALSE for exact match

**Example**

| **Item** | **Pen** | **Pencil** | **Eraser** |
| --- | --- | --- | --- |
| Price | 10 | 5 | 3 |
| Quantity | 100 | 80 | 50 |

Formula:  
=HLOOKUP("Pencil", A1:D3, 2, FALSE) → **Result = 5**

Explanation:  
It looks for **"Pencil"** in the first row, finds it in the 2nd column, and returns the value from **2nd row**, which is **5**.

**Things to Remember**

* HLOOKUP works **horizontally** (left to right).
* First row of the table must contain the **lookup values**.
* Always use FALSE for exact match if unsure.
* If the value is **not found**, it returns **#N/A**.

**Practice Questions for HLOOKUP in Excel**

Each question is based on a different data table and scenario.

**Q1 - Q5: Basic Product Table**

| **Product** | **Pen** | **Pencil** | **Sharpener** | **Eraser** |
| --- | --- | --- | --- | --- |
| Price (Rs) | 10 | 5 | 7 | 3 |
| Quantity | 100 | 150 | 75 | 60 |

1. Find the price of **Sharpener**.
2. Find the quantity of **Eraser**.
3. Find the price of **Pen**.
4. Find the quantity of **Pencil**.
5. Find the price of **Pencil** using exact match.

**Q6 - Q10: Student Grades Table**

| **Subject** | **Math** | **English** | **Science** | **History** |
| --- | --- | --- | --- | --- |
| Student A | 85 | 78 | 92 | 70 |
| Student B | 88 | 80 | 85 | 75 |

1. Get Student A's **Science** marks.
2. Get Student B's **English** marks.
3. Find Math marks of Student B.
4. Return History marks of Student A.
5. Find English marks of Student A using exact match.

**Q11 - Q15: Monthly Sales Table**

| **Month** | **Jan** | **Feb** | **Mar** | **Apr** |
| --- | --- | --- | --- | --- |
| Sales (in K) | 20 | 30 | 25 | 28 |
| Profit (%) | 10 | 12 | 9 | 11 |

1. Find Sales in February.
2. Find Profit in April.
3. Return Sales in March.
4. Get Profit in January.
5. Return February's profit using exact match.

**Q16 - Q20: Employee Data**

| **Employee** | **Raj** | **Neha** | **Aman** | **Kiran** |
| --- | --- | --- | --- | --- |
| Age | 25 | 28 | 30 | 24 |
| Department | HR | Sales | IT | HR |

1. Find the department of Neha.
2. Find age of Aman.
3. Get department of Kiran.
4. Find age of Raj.
5. Get department of Aman using exact match.

**Q21 - Q25: Car Specifications**

| **Car Model** | **Alto** | **Swift** | **Nexon** | **XUV** |
| --- | --- | --- | --- | --- |
| Mileage | 22 | 20 | 18 | 15 |
| Price (Lakh) | 3.5 | 5.5 | 7.8 | 12 |

1. Find mileage of Nexon.
2. Find price of Swift.
3. Get price of XUV.
4. Return mileage of Alto.
5. Return mileage of Swift using exact match.

**Solutions to the Above Questions**

| **Q.No** | **Formula Used** | **Answer** |
| --- | --- | --- |
| 1 | =HLOOKUP("Sharpener", A1:E3, 2, FALSE) | 7 |
| 2 | =HLOOKUP("Eraser", A1:E3, 3, FALSE) | 60 |
| 3 | =HLOOKUP("Pen", A1:E3, 2, FALSE) | 10 |
| 4 | =HLOOKUP("Pencil", A1:E3, 3, FALSE) | 150 |
| 5 | =HLOOKUP("Pencil", A1:E3, 2, FALSE) | 5 |
| 6 | =HLOOKUP("Science", A1:E3, 2, FALSE) | 92 |
| 7 | =HLOOKUP("English", A1:E3, 3, FALSE) | 80 |
| 8 | =HLOOKUP("Math", A1:E3, 3, FALSE) | 88 |
| 9 | =HLOOKUP("History", A1:E3, 2, FALSE) | 70 |
| 10 | =HLOOKUP("English", A1:E3, 2, FALSE) | 78 |
| 11 | =HLOOKUP("Feb", A1:E3, 2, FALSE) | 30 |
| 12 | =HLOOKUP("Apr", A1:E3, 3, FALSE) | 11 |
| 13 | =HLOOKUP("Mar", A1:E3, 2, FALSE) | 25 |
| 14 | =HLOOKUP("Jan", A1:E3, 3, FALSE) | 10 |
| 15 | =HLOOKUP("Feb", A1:E3, 3, FALSE) | 12 |
| 16 | =HLOOKUP("Neha", A1:E3, 3, FALSE) | Sales |
| 17 | =HLOOKUP("Aman", A1:E3, 2, FALSE) | 30 |
| 18 | =HLOOKUP("Kiran", A1:E3, 3, FALSE) | HR |
| 19 | =HLOOKUP("Raj", A1:E3, 2, FALSE) | 25 |
| 20 | =HLOOKUP("Aman", A1:E3, 3, FALSE) | IT |
| 21 | =HLOOKUP("Nexon", A1:E3, 2, FALSE) | 18 |
| 22 | =HLOOKUP("Swift", A1:E3, 3, FALSE) | 5.5 |
| 23 | =HLOOKUP("XUV", A1:E3, 3, FALSE) | 12 |
| 24 | =HLOOKUP("Alto", A1:E3, 2, FALSE) | 22 |
| 25 | =HLOOKUP("Swift", A1:E3, 2, FALSE) | 20 |

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