# LAB ASSIGNMENT - 3

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

**ANS.** =HLOOKUP(I2, A1:F7, 2, FALSE)

| Product | Jan | Feb | Mar | Apr | May | QUESTION 1. | | |
|---|---|---|---|---|---|---|---|---|
| Product A | 120 | 130 | 140 | 150 | 160 | Product A | **Mar** | 140 |
| 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 | | | |

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

**ANS.** =HLOOKUP(H2, A1:F7, 2, FALSE)

| Product | Jan | Feb | Mar | Apr | May | QUESTION 2. | | |
|---|---|---|---|---|---|---|---|---|
| Product A | 120 | 130 | 140 | 150 | 160 | Product B | **May** | 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 | | | |

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

**ANS.** =HLOOKUP(H2, A1:F7, 2, FALSE)

| Product | Jan | Feb | Mar | Apr | May | QUESTION 3. | | |
|---|---|---|---|---|---|---|---|---|
| Product A | 120 | 130 | 140 | 150 | 160 | Product C | **Feb** | 130 |
| 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 | | | |

**Q.4** Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.

**ANS.** =SUM(HLOOKUP(B1, A1:F7, 2, FALSE), HLOOKUP(C1, A1:F7, 2, FALSE), HLOOKUP(D1, A1:F7, 2, FALSE), HLOOKUP(E1, A1:F7, 2, FALSE), HLOOKUP(F1, A1:F7, 2, FALSE))

| Product | Jan | Feb | Mar | Apr | May | QUESTION 4. |
|---|---|---|---|---|---|---|
| Product A | 120 | 130 | 140 | 150 | 160 | 700 |
| Product B | 150 | 160 | 170 | 180 | 190 | 850 |
| Product C | 200 | 210 | 220 | 230 | 240 | 1100 |

| Product   |     |     |     |     |     |      |
|-----------|-----|-----|-----|-----|-----|------|
| Product D | 90  | 100 | 110 | 120 | 130 | 550  |
| Product E | 220 | 230 | 240 | 250 | 260 | 1200 |
| Product F | 130 | 140 | 150 | 160 | 170 | 750  |

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

**ANS.** =MAX(HLOOKUP(B2, A2:F7, 2, FALSE), HLOOKUP(C2, A2:F7, 2, FALSE), HLOOKUP(D2, A2:F7, 2, FALSE), HLOOKUP(E2, A2:F7, 2, FALSE), HLOOKUP(F2, A2:F7, 2, FALSE))

| Product   | Jan | Feb | Mar | Apr | May | QUESTION 5.   |
|-----------|-----|-----|-----|-----|-----|---------------|
| Product A | 120 | 130 | 140 | 150 | 160 | MAX PRODUCT B |
| Product B | 150 | 160 | 170 | 180 | 190 | 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 |               |

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

**ANS.** =MIN(HLOOKUP(B2, A2:F7, 6, FALSE), HLOOKUP(C2, A2:F7, 6, FALSE), HLOOKUP(D2, A2:F7, 6, FALSE), HLOOKUP(E2, A2:F7, 6, FALSE), HLOOKUP(F2, A2:F7,6, FALSE))

| Product   | Jan | Feb | Mar | Apr | May | QUESTION 6.   |
|-----------|-----|-----|-----|-----|-----|---------------|
| Product A | 120 | 130 | 140 | 150 | 160 | MIN PRODUCT F |
| Product B | 150 | 160 | 170 | 180 | 190 | 130           |
| 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 |               |

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

**ANS.** =AVERAGE(HLOOKUP(B2, A2:F7, 5, FALSE), HLOOKUP(C2, A2:F7, 5, FALSE), HLOOKUP(D2, A2:F7, 5, FALSE), HLOOKUP(E2, A2:F7,5, FALSE), HLOOKUP(F2, A2:F7,5, FALSE))

| Product   | Jan | Feb | Mar | Apr | May | QUESTION 7.          |
|-----------|-----|-----|-----|-----|-----|----------------------|
| Product A | 120 | 130 | 140 | 150 | 160 | AVERAGE OF PRODUCT E |
| Product B | 150 | 160 | 170 | 180 | 190 | 240                  |
| 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 |                      |