



The screenshot shows a Microsoft Excel window titled "Microsoft Excel - MS-D01 Excel Functions and Databases.xls". The spreadsheet contains the following content:

Row 2: MRA Engineering logo, www.mra-engineering.com, [Index](#), [Next](#)

Row 8: **MS Excel Functions & Databases** (in a blue box)

Row 14: MRA Engineering
2006

Row 23: Course Code MS-01
Version 1.0
PDH 5

Row 24: **Important Note:** It is strongly recommended to do this course in the sequence shown in the **Index** page. It is very important also to read very well the course notes of each lesson on the left hand side. This course has 16 lessons and has a weight equivalent to 5 PDH's.

Row 24: Navigation tabs: Title, LO, Index, Definitions, WS&WB, Drop down list, SUM, COUNT, IF, SUMPRODUCT, INDEX & MATCH, Other Functions, Exercis...

Taskbar: Start, Inbox - Microsoft..., Lulu.com - Publis..., MS-01D Excel For..., Microsoft Excel ..., Document4 - Micr..., 10:20

Part of the Index/Match functions lesson

INDEX/MATCH

=index(data range,match(lookup value,lookup value range,0),column #)

Exercise:

Q1. Build a drop down list to select any of the cities shown in the table

Q2. Write a formula using Index/match to find the matching state to the selected city in Q1 above.

Q3. Write a formula using Index/match to find the matching population of the selected city in Q1 above.

Q4. Write a formula using Index/match to find the matching altitude of the selected city in Q1 above.

Q5. Write a formula using Index/match to find the matching rain fall of the selected city in Q1 above.

| | | | |
|-----|-------------|---------------|--------------------------------------|
| A1. | Select City | San Francisco | =INDEX(G8:K22,MATCH(D44,G8:G22,0),2) |
| A2. | State | California | =INDEX(G8:K22,MATCH(D44,G8:G22,0),3) |
| A3. | Population | 776,733.0 | =INDEX(G8:K22,MATCH(D44,G8:G22,0),3) |
| A4. | Altitude | 3 | =INDEX(G8:K22,MATCH(D44,G8:G22,0),4) |
| A5. | Rain Fall | 500.4 | =INDEX(G8:K22,MATCH(D44,G8:G22,0),4) |

Note: Callouts indicate that the '0' in the MATCH function is the selected accuracy and the column number (2, 3, or 4) is the column # of the selected data range.