LAB – 5 INDEX AND MATCH FUNCTIONS

RAW DATA

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| **ProductID** | **Product** | **Category** | **Jan Sales** | **Feb Sales** | **Mar Sales** | **Apr Sales** | **May Sales** |
| 101 | PRODA | Electronics | 120 | 130 | 140 | 150 | 160 |
| 102 | PRODB | Furniture | 150 | 160 | 170 | 180 | 190 |
| 103 | PRODC | Electronics | 200 | 210 | 220 | 230 | 240 |
| 104 | PRODD | Clothing | 90 | 100 | 110 | 120 | 130 |
| 105 | PRODE | Furniture | 220 | 230 | 240 | 250 | 260 |
| 106 | PRODF | Electronics | 130 | 140 | 150 | 160 | 170 |

QUESTIONS

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|  |  | Questions |  |  |  |
| 1. Use INDEX and MATCH to find the sales for Product C in March. | | | | | |
| 2. Use INDEX and MATCH to find the category for Product E. | | | | | |
| 3. Use INDEX and MATCH to find the maximum sales for Product B across all months. | | | | | |
| 4. Use INDEX and MATCH to find the month with the maximum sales for Product A. | | | | | |
| 5. Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April. | | | | | |
| 6. Use INDEX and MATCH to calculate the average sales for Product D across all months. | | | | | |
| 7. Use INDEX and MATCH to find the sales for Product ID 105 in May. | | | | | |
| 8. Use INDEX and MATCH to create a dynamic lookup where the user can input a product and a month, and the formula returns the corresponding sales. | | | | | |
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| 1. Use INDEX and MATCH to find the sales for Product C in March. | | | | | | | |
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| **Product** | **Mar Sales** |  |  |  |  |  |  |
| PRODC | 220 |  |  |  |  |  |  |

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| 2. Use INDEX and MATCH to find the category for Product E. | | | | | | | |
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| **Product** | **Category** |  |  |  |  |  |  |
| PRODE | Furniture |  |  |  |  |  |  |
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| 3. Use INDEX and MATCH to find the maximum sales for Product B across all months. | | | | | | | |
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| **Product** | **Max Sales** |  |  |  |  |  |  |
| PRODB | 190 |  |  |  |  |  |  |
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| 4. Use INDEX and MATCH to find the month with the maximum sales for Product A. | | | | | | | |
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| **Product** | **Month** | **Max Sales** |  |  |  |  |  |
| PRODA | May Sales | 160 |  |  |  |  |  |
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| 5. Use INDEX, MATCH, and SUMIF to sum the sales for all products in the "Electronics" category for April. | | | | | | | |
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| **Category** | **Sum Of April Sale** |  |  |  |  |  |  |
| Electronics | 540 |  |  |  |  |  |  |
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| 6. Use INDEX and MATCH to calculate the average sales for Product D across all months. | | | | | | | |
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| **Products** | **AVG Sales** |  |  |  |  |  |  |
| PRODD | 110 |  |  |  |  |  |  |
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| 7. Use INDEX and MATCH to find the sales for Product ID 105 in May. | | | | | | | |
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| **ProductID** | **May Sales** |  |  |  |  |  |  |
| 105 | 260 |  |  |  |  |  |  |
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| 8. Use INDEX and MATCH to create a dynamic lookup where the user can input a product and a month, and the formula returns the corresponding sales. | | | | | | | |
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| **Products** | **Months** | **Sales** |  |  |  |  |  |
| PRODB | Feb Sales | 160 |  |  |  |  |  |