|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Function** | **Formula** | **Formula’** |  |
| 1. | Sum | =SUM(A1, A2..) | =SUM(A1:A5) |  |
| 2. | Average | =AVERAGE(Table1[Header]) |  |  |
| 3. | Median | =MEDIAN(Table1[Header]) |  |  |
| 4. | Count | =COUNT(Table1[Housing]) |  |  |
| 6. | Minimum | =MIN(Table1[Housing]) |  |  |
| 6. | Maximum | =MAX(Table1[Housing]) |  |  |
| 7. | First Name | =LEFT(A2, SEARCH(" ",A2,1)) |  |  |
| 8. | Last Name | =RIGHT(A2,LEN(A2)-SEARCH(" ",A2,1)) |  |  |
| 9. | Upper🡪Proper | =PROPER(A1) |  |  |
| 10. | Proper🡪Upper | =UPPER(A1) |  |  |
| 11. | Proper🡪Lower | =LOWER(A1) |  |  |
| 12. | If | =IF(A1>100, “Yes”, “No”) | =IF(logical\_test, value\_if\_true, value\_if\_false) |  |
| 13. | Nested If | =IF(A1>70,”Good”, IF(A1>50. “ok”, IF(A1>20,”Not bad”))) |  |  |
| 14. | Ifs | =IFS(A1>70,”Good”, A1>50. “ok”, A1>20,”Not bad”) |  |  |
| 15. | Count if | =COUNTIF(B2:B6, "North") | =COUNTIF(criteria\_range, criteria) |  |
| **S. No.** | **Function** | **Formula** | **Formula’** |  |
| 16. | Count ifs | =COUNTIFS(B2:B6, "West", C2:C6, ">500") | COUNTIFS(criteria\_range\_1, criteria\_1, [criteria\_range\_2, criteria\_2], ...) |  |
| 17. | Sum if | =SUMIF(B2:B6, "North", C2:C6) | =SUMIF(criteria\_range, criteria, sum\_range) |  |
| 18. | Sum ifs | =SUMIFS(C2:C6, B2:B6, "West", C2:C6, ">500") | SUMIFS(sum\_range, criteria\_range\_1, criteria\_1, [criteria\_range\_2, criteria\_2], ...) |  |
| 19. | Vertical Lookup | VLOOKUP( B3,A2:B12,2,FALSE)  Value, Range, Column Index (no, Exact:False, Approximate:True) |  |  |
| 20. | Horizontal Lookup | HLOOKUP( B3,A2:B12,2,FALSE)  (Value, Range, Row Index no, Exact:False, Approximate:True) |  |  |
| 21. | X Lookup | =XLOOKUP("Cherry", B2:B5, C2:C5) | XLOOKUP(lookup\_value, lookup\_array, return\_array, [if\_not\_found], [match\_mode], [search\_mode]) |  |
| 22. |  |  |  |  |
| 23. |  |  |  |  |