|  |  |  |  |
| --- | --- | --- | --- |
| Expression | Expected value | Calculated value | Reason for calculated value |
| Sin(25, 4) | error | error | The function is not defined and hence not understood by python since it doesn’t exist as a preset function in python. |
| Max(25, 4) | 25 | 25 | Takes the highest value in the arguments |
| Min(25, max(27, 4)) | 25 | 25 | This because python respects the parentheses and works on them first before executing the rest of the code. |
| Abs(25) | 25 | 25 | Abs returns the absolute value of a value |
| Abs(-25) | 25 | 25 | Abs returns the positive value of the value |
| Round(25.6) | 26 | 26 | Round function is written as round(n, k), where n is the value and k are the digits to be rounded off to and the default value of k is zero so the function automatically rounds off to the integer |
| Round(-25.6) | -26 | -26 | Round function is written as round(n, k), where n is the value and k are the digits to be rounded off to and the default value of k is zero so the function automatically rounds off to the integer |
| Round(25.64, 0) | 26 | 26 | The function rounds of to zero decimal digits |
| Round(25.64, 1) | 25.6 | 25.6 | Returns the rounded value to one decimal place |
| Round(25.64, 2) | 25.64 | 25.64 | Returns the rounded value to two decimal places |
| len(“Truth”) | 5 | 5 | Returns the length of the string |
| Len(‘truth’ + ‘in’ + ‘best’) | 11 | 11 | Returns the cumulative value for the length of the strings |