

Functions programs

1. Write a function that can accept two arguments name and age and print its value using different string format methods.
2. Write a function `cal()` such that it can accept values at runtime and display all the common operation performed by calculator
3. Write a function `Print_string()` such that it can accept a variable length of argument only string type and print all arguments value

For eg:-

`Print_string(['hello','how','are','you'])`

Expected Output:

`('hello','how','are','you')`

`('hello',)`

`('how',)`

`('r',)`

`('u',)`

4. Write a function $x(n)$ for computing an element in the sequence $x_n = n^2 + 1$. Call the function for $n=4$ and write out the result.
5. Write a Python function that evaluates the mathematical functions $f(x) = \cos(2x)$, $f'(x) = -2\sin(2x)$, and $f''(x) = -4\cos(2x)$. Return these three values. Write out the results of these values for $x = \pi$.
6. WAP to create a list using for loop using function
7. Write a function called `humpty_Dumpty` that takes a number.

If the number is divisible by 3, it should return “humpty”.

If it is divisible by 5, it should return “Dumpty”.

If it is divisible by both 3 and 5, it should return “Humpty_Dumpty”.

Otherwise, it should return the same number.

8. Write a function that returns the maximum of two numbers.
9. Write a function for checking the speed of drivers. This function should have one parameter: speed.

If speed is less than 70, it should print “Ok”.

Otherwise, for every 5km above the speed limit (70), it should give the driver one demerit point and print the total number of demerit points. For example, if the speed is 80, it should print: “Points: 2”.

If the driver gets more than 12 points, the function should print: “License suspended”

10. Write a function called display that takes a parameter called stop. It should print all the numbers between 10 and stop with string to identify the even and odd numbers. For example, if the stop is 3, it should print:

10 EVEN

11 ODD

12 EVEN

13 ODD

11. Write a function called stars(rows). If rows is 5, it should print the following:

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