

## HOF Assignment - 1

Q1. Write a Python program to create a lambda function that adds 10 to a given number passed in as an argument, also create another lambda function that multiplies argument x with argument y and prints the result.

Q2. Define a lambda function that checks if a number is divisible by 3. Use this lambda function to check if 9 is divisible by 3.

Q3. Write a lambda function that takes a list and returns its length. Use this lambda function to find the length of the list [1, 2, 3, 4, 5].

Q4. Define a lambda function that returns the last element of a list. Use this lambda function to get the last element from the list [10, 20, 30, 40].

Q5. Write a Python program to create a function that takes one argument, and that argument will be multiplied with the given argument of lambda function.

Arguments = 2 and 15

Output: 30

Q6. Write a python program which uses the filter function to get numbers greater than 5 from the list [1, 3, 5, 7, 9].

Q7. Write a python program which uses the filter function to extract strings longer than 4 characters from the list ["apple", "banana", "pear", "kiwi"].