**FUNCTIONS – Task**

1. Write a Python program to create a lambda function that adds 15 to a given number passed in as an argument, also create a lambda function that multiplies argument x with argument y and prints the result.
2. Write a Python program to create a function that takes one argument, and that argument will be multiplied with an unknown given number.
3. Write a Python program to find if a given string starts with a given character using Lambda.
4. Write a Python program to extract year, month, date and time using Lambda.

Sample Output:

2020-01-15 09:03:32.744178

2020

1

15

09:03:32.744178

1. Write a Python program to check whether a given string is a number or not using Lambda.
2. Write a Python program to create Fibonacci series up to n using Lambda.

Fibonacci series upto 2:

[0, 1]

Fibonacci series upto 5:

[0, 1, 1, 2, 3]

Fibonacci series upto 6:

[0, 1, 1, 2, 3, 5]

1. Write a Python program to find palindromes in a given list of strings using Lambda.
2. Write a Python program that multiplies each number in a list with a given number using lambda functions. Print the results.

Original list: [2, 4, 6, 9, 11]

Given number: 2

Result:

1. 8 12 18 22
2. Write a Python program to find the maximum value in a given heterogeneous list using lambda.Original list:

['Python', 3, 2, 4, 5, 'version']

Maximum values in the said list using lambda:5

1. Create a Python module (a separate .py file) that contains a function to calculate the area of a rectangle. Then, in another Python script, import the module and use the function to calculate the area of a rectangle with specific dimensions.