

Assignment-2

1. Write a program which can filter even numbers in a list by using filter function. The list is: [1,2,3,4,5,6,7,8,9,10].
2. Write a program which can map() to make a list whose elements are square of elements in [1,2,3,4,5,6,7,8,9,10].
3. Write a program which can map() and filter() to make a list whose elements are square of even number in [1,2,3,4,5,6,7,8,9,10].
4. Write a program which can filter() to make a list whose elements are even number between 1 and 20 (both included).
5. Write a program which can map() to make a list whose elements are square of numbers between 1 and 20 (both included).
6. Define a class named American and its subclass NewYorker.
7. Define a class named Rectangle which can be constructed by a length and width. The Rectangle class has a method which can compute the area.
8. Write a function that returns the lesser of two given numbers if both numbers are even, but returns the greater if one or both numbers are odd
9. Write a function takes a two-word string and returns True if both words begin with same letter
10. Write a function that capitalizes the first and fourth letters of a name