MCA11 Programming with Python

Handout 4 – Lists, Strings

1. Reverse a list in Python
2. Concatenate two lists index-wise
3. Turn every item of a list into its square
4. Extend nested list by adding the sublist
5. Replace list's item with new value if found
6. Remove all occurrences of a specific item from a list.
7. Write a Python function that takes a list and returns a new list with unique elements of the first list.
8. Write a Python program to print the even numbers from a given list.
9. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically.
10. Develop a script to read n values into a list. Separate the numbers in the list into two new lists, first contains all prime numbers and second contains all non-prime numbers.
11. Develop a Python code to extract the Even elements indices from the given list.
12. Create a string made of the first, middle and last character
13. Find all occurrences of a substring in a given string by ignoring the case.
14. Write a Python program that accepts a string and calculate the number of upper case letters and lower case letters.
15. Write a Python program that checks whether a passed string is palindrome or not.