STRING MANIPULATION/TEXT HANDLING

ASSIGNMENTS

1. Write a program in python to check if a Substring is Present in a Given String.
2. Write a program in python to check if two strings are anagram or not.
3. Write a program in python to count and display vowels in a string.
4. Write a program in python to find all duplicate characters in string.
5. Write a program in python to reverse words in a given String in Python.
6. Python treats a string as special kind of tuple,if yes,prove it.
7. What is the output of the following Python program section?
   ```
   st='Computer Science'
   x=st.lower()
   y=x.replace('computer','Computer')
   print(y)
   ```
8. What would be printed from the following Python program section?
   ```
   txt='computer science and informatics practices'
   words=txt.split(' ')
   l=len(words)
   print (l)
   ```
9. What would be printed from the following Python program section?
   ```
   st=['C','o','m','p','u','t','e','r']
   w=''.join(st)
   print(w)
   ```
10. Write a Python program to calculate the length of a string
11. Write a Python program to count the character frequency in a string
12. Write a Python function that takes a list of words and returns the length of the longest one.
13. Write a Python program to remove the nth index character from a nonempty string
14. Write a Python program to change a given string to a new string where the first and last chars have been exchanged.
15. Write a Python program to count the occurrences of each word in a given sentence

16. Write a Python program to remove the characters which have odd index values of a given string
17. Write a Python script that takes input from the user and displays that input back in upper and lower cases
18. Write a Python program that accepts a comma separated sequence of words as input and prints the unique words in sorted form
19. Write a Python function to insert a string in the middle of a string
20. Write a Python program to sort a string lexicographically
21. Write a Python program to remove a newline in Python
22. Write a Python program to check whether a string starts with specified characters
23. Write a Python program to lowercase first n characters in a string
24. What is the output of the following?

```
my_string = "python"
i = "i"
while i in my_string:
    print(i, end =" ")
```

25. What is the output of the following?

```
my_string = "python"
for i in range(my_string):
    print(i)
```

26. What is the output of the following?

```
my_string = 'python'
for i in range(len(my_string)):
    my_string[i].upper()
print (my_string)
```

27. What is the output of the following?

```
my_string = 'python'
for i in range(len(my_string)):
    print (my_string)
    my_string = 'a'
```

28. Write a Python program to Check Whether a String is Palindrome or Not
29. Write a Python program to Remove Punctuations From a String
30. Write a Python program to Sort Words in Alphabetic Order of a string

31. In Python, a string can be formatted using %s?
32. What will be the output of the below code
    word = 'aeioubcd'
    print (word [:3] + word [3:])
33. What is the output of the following?
    print("xyz DEF".capitalize())
34. What is the output of the following?
    print('*', "python".center(7), '*')
35. What is the output of the following?
    print("ayybcyzxcxyy".count('yy'))
36. What is the output of the following?
    print("Hello {0} and {1}".format('python', 'java'))
37. What is the output of the following?
    print('while'.isidentifier())
38. What is the output of the following?
    print('5.1'.isnumeric())
39. Write a program that asks the user to enter a string. The program should then print the following:
    a. The total number of characters in the string
    b. The string repeated 10 times
    c. The first character of the string (remember that string indices start at 0)
    d. The first three characters of the string
    e. The last three characters of the string
    f. The string backwards
    g. The string with its first and last characters removed
    h. The string in all caps
    i. The string with every *a* replaced with an *e*
    j. The string with every letter replaced by a space

40. Write a program that, given a string that contains a decimal number, prints out the decimal part of the number. For instance, if given 5.74159, the program should print out .74159

41. Write a program that asks the user to enter two strings of the same length. The program should then check to see if the strings are of the same length. If they are not, the program should print an appropriate message and exit. If they are of the same length, the program should alternate the characters of the two strings. For example, if the user enters xyz and ABC the program should print out AxByCz.
42. Write a program that asks the user to enter their name in lowercase and then capitalizes the first letter of each word of their name
43. Write a program that asks the user to enter a string, then prints out each letter of the string doubled and on a separate line