

STRING MANIPULATION

Program

1."Str="" Australia won the world cup 2015 on 29th Mar"" a)count upper case

b) count lower case c) count digits d) count alpha?"

2."str2=raw_input Eg:- hello welcome to python scripting a)convert to uppercase

b)convert to lower case

c) upper case to lower case & lower case to upper case"

3.Write a python script to reverse a list,string

4.Write a python script to find non-repeating character in string

5.Write a program to take a odd number between 1-10 and print as below
999999999

7777777

55555

333

1

6.Write a program to print below fig

```
***
**
*
**
***"
```

7.Write a program to print below fig

12345

1234

123

12

1

8.write a method that takes in a string and inverts the case of each character in it.

9.Write a program that accepts sequence of lines as input and prints the lines after making

all characters in the sentence capitalized.

Hint(Q9):"Suppose the following input is

supplied to the program:

Hello world

Practice makes perfect

Then, the output should be:

HELLO WORLD

PRACTICE MAKES PERFECT"

10.Write a program that accepts a sequence of whitespace separated words as input and prints the

words after removing all duplicate words and sorting them

alphanumerically.

Hint(Q10):"Suppose the following input is

supplied to the program:

```
hello world and practice makes perfect
                        and hello world again
```

Then, the output should be:

```
again and hello makes perfect practice
                        world"
```

11. Write a program that accepts a sentence and calculate the number of letters and digits. Hint(Q11): "Suppose the following input is

supplied to the program:

```
hello world! 123
```

Then, the output should be:

```
LETTERS 10
```

```
DIGITS 3"
```

12. Write a program that accepts a sentence and calculate the number of upper case letters and lower case letters.

Suppose the following input is supplied to the program: Hello world!"

Hint(Q12): Then, the output should be:

```
UPPER CASE 1
```

```
LOWER CASE 9
```

13. Use a list comprehension to square each odd number in a list. The list is input by a sequence of comma-separated numbers.

Suppose the following input is supplied to the program:

```
1,2,3,4,5,6,7,8,9
```

Hint(Q13): Then, the output should be:

```
1,9,25,49,81
```

14. Sort a string containing multiple lines of Name, Age, Marks, dob on the bases of Age Hint(Q14): st1 = ""HCK, 30, 98, 12/12/2000

```
Nch, 29, 96, 10/10/2001
```

```
hhh, 40, 69, 9/9/2000"""
```

15. Sort the above program on age and if age is same sort on name

16. In the above program let's have marks as Maths-Sci-Hindi-English format. Sort on bases of Maths marks

Hint(Q16): st1 = ""HCK, 30, 98-59-60-30, 12/12/2000

```
Nch, 29, 96-90-80-89, 10/10/2001
```

```
hhh, 40, 69-40-60-71, 9/9/2000"""
```

17. Sort above program on total marks

18. Sort above program on total marks, if marks are equal then sort on maths then science marks

19.print all the numbers between the string.

Hint(Q19):st1 =""some 192 has 63 and some has 40

and 5003 and 90""

the output should be 192,63,40,5003,90