

1. Write a python program to accept a sentence from the user and Display the longest word of that sentence along with its length.
2. List and Explain any four built in string manipulation functions Supported by python.
3. How computational fault or errors are handled in python? Show it with an example python program to copy all lines beginning with vowels from FROM.txt file to VOWELTEXT.txt file retaining other lines
4. How tuples are created in python? Explain different ways of accessing and creating them.
5. Write a python program to read all the lines in a file accepted from the user and print all email addresses contained in it. Assume the email addresses contain only non-white space characters.
6. Describe any two list operations and list methods. Write a python program to accept 'n' numbers from user, find sum all even numbers and product of all odd numbers in entered list.
7. List merits of dictionary over list. Write a python program to accept USN and marks obtained, find maximum, minimum and students USN who have scored in the range 100-85, 85-75, 75-60 and below 60 marks separately.
8. Compare and contrast tuples with lists. Explain the following operations in tuples.
 - a) Sum of two tuples.
 - b) Slicing operators
 - c) Compression of two tuples
 - d) Assignments to variables.
9. Explain dictionaries. Demonstrate with a python program.
10. Explain extracting data using regular expressions. Implement a python program to find for lines having '@' sign between characters in a read text file.
11. Write a python program to print the first 10 lines and last 10 lines in a file
12. Implement a python program using Lists to store and display the average of N integers accepted from the user.