**Worksheet 7**

1. Write a program that accepts a single word as input, stores it in a character array and prints it to the screen in reverse order (e.g. if the word input is “screen”, the output will be “neercs”).
2. Write a program that accepts a single word as input and outputs each letter on a new line and indented with two tabs.
3. Write a program that demonstrates the difference between use of *fgets()* and *scanf()*.
4. Write a program that takes input of a single character and returns its ASCII value to screen and say whether it is an alpha or a numeric character.
5. Write a program that requires the user to input an email address, then input it again for validation. Compare the strings and inform the user if the inputs are valid (emails match exactly) or not.
6. Prompt the user for a sentence. Then prompt them for a search-word. Inform the user if the search-word was found in the sentence.
7. Prompt the user for input of name, age and email address. Validate against the following: name should have at least two words, preferably each starting with an uppercase character; age should be numeric; email address should contain the ‘@’ character and a dot, and these should be separated by a series of characters, at least four characters long.