



Name:  
Contact No:  
Email Id:

## Question Set

### Basic

**1. User Input and Replace String Template “Hello <<UserName>>, How are you?”**

- a. **I/P** -> Take User Name as Input. *Ensure UserName has min 3 char*
- b. **Logic** -> Replace <<UserName>> with the proper name
- c. **O/P** -> Print the String with User Name

**2. Simulate Stopwatch Program**

- a. Desc -> Write a Stopwatch Program for measuring the time that elapses between the start and end clicks
- b. I/P -> Start the Stopwatch and End the Stopwatch
- c. Logic -> Measure the elapsed time between start and end
- d. O/P -> Print the elapsed time.

### Intermediate

**1. Cross Game or Tic-Tac-Toe Game**



- a. Desc -> Write a Program to play a Cross Game or Tic-Tac-Toe Game. Player 1 is the Computer and the Player 2 is the user. Player 1 take Random Cell that is the Column and Row.
- b. I/P -> Take User Input for the Cell i.e. Col and Row to Mark the 'X'
- c. Logic -> The User or the Computer can only take the unoccupied cell. The Game is played till either wins or till draw...
- d. O/P -> Print the Col and the Cell after every step.
- e. Hint -> The Hints is provided in the Logic. Use Functions for the Logic...

**2. Take a string from user at runtime. Check that using those characters of string is it possible to make a palindrome string? If yes then print the palindrome string.**

E.g. abcde      O/p: palindrome not possible.

E.g. abcabc      O/p: palindrome possible.      abccba

### Advanced

**1. For a linked list perform the following functions.**

- a. Reverse the link in single link list
- b. Reverse the link using recursion
- c. Reverse the link using stack.