

### Lab sheet 3

Students are required to submit the lab sheet to their respective subject teachers.

1) WAP to display the string in the following pattern.

a) NEPAL	b) N	c) L	d) NEPAL	e) N
EPAL	NE	AL	EPA	E
PAL	NEP	PAL	P	P
AL	NEPA	EPAL		A
L	NEPAL	NEPAL		L
f) G		g) N	h) NEPAL	i) NEPAL
OGR		E	EPAL	PAL
ROGRA		P	PAL	L
PROGRAM		A	AL	
		L	L	

- 2) WAP to display given string in reverse order.
- 3) WAP to display the alternate characters present in the given string.
- 4) WAP to display whether the given word is palindrome or not.
- 5) WAP to display the longest word among any three words given by the user.
- 6) WAP to count the number of vowels present in the given string.
- 7) WAP to count the number of characters "A" present in the given word.
- 8) WAP to count the number of spaces present in the given sentences.
- 9) WAP to count the number of words present in the given sentences.
- 10) WAP to display the initial characters from the given name. (Eg. If the user gives the name Nil Shankar Manandhar, output should be NSM)
- 11) WAP to display only the vowels present in the given word.
- 12) WAP to delete the vowels present in the given word.
- 13) WAP to display the first character, last character and total numbers of characters present in the given word.
- 14) WAP to count the number of consonants present in the given word.
- 15) WAP to input a character from the user and display whether it is in upper case or lower case.
- 16) WAP to count the number of characters present in the given sentences.[don't count spaces present in the sentences]
- 17) WAP to display the following series.
  - a) 2 4 8 16 32 .....upto 10<sup>th</sup> terms
  - b) 1 4 9 16.....upto 10<sup>th</sup> terms.
  - c) 100 97 94 91 .....upto 10<sup>th</sup> terms
  - d) 3 33 333 3333 33333
  - e) -50 -45 -40 .....upto 10<sup>th</sup> terms
  - f) 2 2 4 6 10.....upto 10<sup>th</sup> terms
  - g) 2 8 18 32.....upto 10<sup>th</sup> terms
  - h) 77777 7777 777 77 7
  - i) 3 9 27 .....upto 10<sup>th</sup> terms
  - j) 5 10 20 35.....upto 10<sup>th</sup> terms
  - k) 50 -5 40 -10 .....up to 10<sup>th</sup> terms
  - l) 100 81 64 49 .....upto 10<sup>th</sup> terms
  - m) 1 121 12321 1234321 123454321
  - n) 1 2 4 7.....upto 10<sup>th</sup> terms
  - o) 1 8 27 64.....upto 10<sup>th</sup> terms

[Type here]