

Lab5 – Basic Types

On Oct. 11th

1. Write a program that translates an alphabetic phone number into numeric form. Assume that users will input upper case letter only:

Enter phone number: CALLATT

2255288

Enter phone number: 1-800-COL-LECT

1-800-265-5328

Here are the letters on the keys: 2=ABC, 3=DEF, 4=GHI, 5=JKL, 6=MNO, 7=PRS, 8=TUV, 9=WCY. If the original phone number contains nonalphabetic characters (digits or punctuation, for example), leave them unchanged.

2. Write a program that converts upper case letters to lower case letters or vice versa:

Enter a sentence: What a GREAT movie is!

Converted sentence: wHAT_A_great_MOVIE_IS_

Convert all non-alphabetical letters to ‘_’.

3. Write a program that eliminates vowels (a, e, i, o, and u) in a sentence:

Enter a sentence: And that’s the way it is.

New sentence: nd tht’s th wy t s.