

# CSE108

## LW 01

- Using mobile phones, flash disks, internet and any other record or communication media is strictly forbidden during lab sessions. Throughout a lab session, all such media must be kept turned off and in a closed environment. Violation of this rule is punished with a grade 0, -100 or worse. Before doing anything else, make sure that your computer is not attached any such media.
- Make sure that you have deleted all of your work PERMANENTLY before leaving the first sessions.

### PART – I (2 Points)

The code given below swaps the digits of a 2 digit number. Compile and link the code. Run the executable file.

```
#include<stdio.h>

int main(void)
{
    /*variables*/
    int number, digit1, digit2;

    /*get input from user*/
    printf("Enter a two digit number.");
    scanf("%d",&number);

    /*swap digits*/
    digit1=number%10;
    digit2=number/10;
    number=digit1*10+digit2;

    /*output the result*/
    printf("The result is: %d\n",number);

    return 0;
}
```

## **PART – II (2 Points)**

Change the code given in Part I so that it finds all digits of a 3 digit number.  
e.g. if 123 is entered, your code should output 1, 2 and 3

## **PART – III (2 Points)**

Run the code you wrote in part2 by **redirecting the input and output** so that:

- a. Your program should read from console and write the result to a file named “out.txt”
- b. Your program should read the input from a file named “in.txt” (you should create this file with a proper content) and write the result to a file “out.txt”.

**Use only console commands to create and monitor the content of input output text files.**