Lab8 – Pointers

1. Write a program that receives 2 integers and swap them and print them out if the first integer is larger than the second integer. Use the function 'swap' to swap the two integers:

void swap(int *A, int *B);

Enter 2 numbers:	38 2
Swapped:	2 38

2. Write a program that receives two numbers and compute the greatest common divisor (GCD) and the least common multiple (LCM). Use the function 'find_GCD_LCM' to find the GCD and LCM from an array 'arr' of length 'n' and save them in the variables pointed by 'GCD' and 'LCM':

void find_GCD_LCM(int arr[], int n, int *GCD, int *LCM);

Two numbers:	12 16
GCD:	4
LCM:	48

3. Write a program that asks the user to enter a US dollar amount (dollars) and then shows how to pay that amount using the smallest number of $20 (twenties), $10 (tens), $5 (fives), and $1 (ones) bills. Use the function below:

void pay_amount(int dollars, int *twenties, int *tens, int *fives, int *ones);

Enter a dollar amount:	93
$20 bills:	4
$10 bills:	1
$5 bills:	0
$1 bills:	3