

Introduction to Programming

Worksheet (20%)

1. Write a program in C++ that accepts two numbers from a user and swap the two numbers. (2pts)

Input 1st number: 25

Input 2nd number: 39

After swapping the 1st number is: 39

After swapping the 2nd number is: 25

2. Write a program in C++ that inputs a number from a user and outputs the reverse. (2pts)

Input a number: 12345

The reverse of the number is: 54321

3. Write a C++ program to add up all number between two given integers. (2pts)

Enter first number: 39

Enter second number: 42

The sum of the numbers 39 and 42: 81

4. Write a program that accepts a character and an integer n, and prints out the next n characters. (3pts)

Enter a character: B

Enter a number: 3

The next 3 characters are: C D E

5. Write a program that accepts n number of integers, stores them in an array and outputs the smallest and largest number. (2pts)

6. Write a program that prints out the following patterns (6 pts)

a) * * * * *

 * * * * *

 * * * * *

 * * * * *

 * * * * *

b) *

 * *

 * * *

 * * * *

 * * * * *

 * * * * *

7. Given the following lines of code answer the following questions. (3pts)

int number= 20;

*int *pnumber=&number;*

- Write 2 statements that can print out the value stored in the variable number.
- Write 2 statements out the address the variable number is stored at.
- Print out the address the pointer variable is stored at.