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University of Science and Technology of Hanoi

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**BASIC PROGRAMMING**

**LABWORK 7: Pointers**

**Exercise 1:** Write a C program to add two numbers using pointers.

**Exercise 2:** Write a C function to swap two variables using pointers.

**Exercise 3:** Write a C program to access an array’s elements using pointers.

**Exercise 4:** Write a C program to create a dynamic array with the number of

elements input from the keyboard using pointers and dynamic memory allocation.

**Exercise 5:** Do the following declaration:

* Declare p as a pointer to int
* Declare p as a pointer to a pointer to int
* Declare p as an array of 10 pointers to int