

Objectives:

- C++ Programming Pointers
- C++ File name is **StudentID_qNO.cpp**
- **Note:** Write comments in your code for explaining steps.
- **Note:** Pay attention to the indentations in your code.

Question 1: Write a program in C++ to show the basic declaration of pointer.

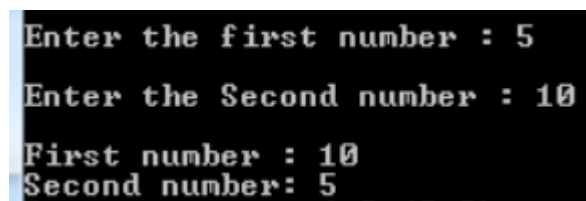
Sample output:

```
a=10, b and o are two integer variable and *z is an integer
z stores the address of a = 0x7ffd40630d44
*z stores the value of a = 10
&m is the address of a = 0x7ffd40630d44
&b stores the address of b = 0x7ffd40630d48
&o stores the address of o = 0x7ffd40630d4c
&z stores the address of z = 0x7ffd40630d50
```

Question 2: Write a program that asks the user to enter integers as inputs to be stored in the variables 'a' and 'b' respectively. There are also two integer pointers named ptrA and ptrB. Assign the values of 'a' and 'b' to ptrA and ptrB respectively and display them.

Question 3: Write C++ program to swap two numbers using pointers. Note: For swap, declare a swap function.

Sample output:



```
Enter the first number : 5
Enter the Second number : 10
First number : 10
Second number: 5
```