

- 1- ان يملأها بعد انتهاء البرنامج
- 2- ان تكون جاهزه دائما للاطلاع عليها من قبل دكتور الماده والمعيدين والطالب

Lab sheet # 4

Begin working with Pointers

Q1: Write a program that demonstrates the usage of * and &

- 1- Declare two pointers and two variables both of the same type**
- 2- Assign the memory addresses of the two variables to the two pointers**
- 3- Display the contents of the pointers and the variables they point to.**

Program Code:

Run Sample:

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Q2: Write a program that mixes the usage of arrays and pointers

- 1- Declare a pointer and an array both of the same type**
- 2- Assign the array name to the pointer**
- 3- Start displaying components of the array one time by using the array and another time by using its pointer**
- 4- Assign the pointer different components of the array**
- 5- Use pointer arithmetic**

Program Code

Run Sample:

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Q3: Write a program to show Pointers to Pointers and array of pointers

- 1- Declare a pointer p1**
- 2- Declare pointer p2 that points to pointers of same type as**
- 3- Assign memory addresses to p1 and p2**
- 4- Show Displaying using p1 and p2**
- 5- Make an array of pointers to integers, assign values and display them**

Program code:

Run Sample