\*You can define function to return value to the caller or does not return anything.

\*If your function is defined to return any type of data, remember to make sure that you have a return value for every kinds of conditions in the functions.

For example:

You have a for loop in the function, in the for loop you have an if statement to check the condition and return something, you have to consider both the condition be satisfied or not and have a return for the condition. Let’s see the function you do in the lab.

bool isFull( string park[], int size)

{

for(int i=0; i<size; i++)

{

If(park[i] == “”) return false; // if there is any empty space, the parking lot is not

full, so return false.

}

**return true;** // If the compiler can run to the end of the for loop above without return

false to terminate the function, at this time we know there is no empty

space in the parking lot, it is full so return true here.

}

Some of students forget to add this return true ( in red color ) instruction to let the compiler knows the function should be terminate at the end after the for loop finish. If you don’t have this return true at the end, when the parking is really full and the for loop will finish without any return, the function will die here because it doesn’t know what’s the next step ?

**So always check do you have the return instruction for every possibility of your function (if a return type be defined)**

There are some exercise questions in the exercise folder to help you understand “pass by value” and “pass by reference”. Spend 10 mins to do that will be really helpful.