

**Aravin Suganthan 500961591 CPS 125 Lab 4**

**PART II:**

1. The difference between “=” and “==” in C is that “=” is an assignment operator which is used to give a value to a variable or expression, while “==” is a comparison operator that compares two values and determines whether the statement is either true or false. The reason why `if(x=0)` returns false is because in “if” statements, the compiler reads the logical value that is inside the parentheses. For logical values, false is always 0 and true is any non zero value, thus returning false when `x=0`.