

Lab 9 - In Lab Assignment

Due end of the lab session

Acknowledge your collaborators or source of solutions, if any. **Submission by the end of the LAB is required.** Please type your answers, handwritten submission will not be accepted. Do all of the following.

1. In the programming language C, a _____ file contains information about what a specific library's functions will do. The _____ file contains the details of how these actions are executed.
2. When are variables of storage class static allocated? When are they deallocated?
3. What will the following code print? Please explain the behaviour of the code in a few words. (What is it printing and why is it printing that?)

```
#include <stdio.h>
#define ISEQUAL(X, Y) X == Y
int main()
{
    #if ISEQUAL(X, 0)
        printf("x");
    #else
        printf("y");
    #endif
    return 0;
}
```