Problem 56. (5 points):

Consider the following C program:

```c
#include <sys/wait.h>

main() {
    int status;

    printf("%s\n", "Hello");
    printf("%d\n", !fork());

    if(wait(&status) != -1)
        printf("%d\n", WEXITSTATUS(status));

    printf("%s\n", "Bye");

    exit(2);
}
```

Recall the following:

- Function `fork` returns 0 to the child process and the child's process Id to the parent.

- Function `wait` returns `-1` when there is an error, e.g., when the executing process has no child.

- Macro `WEXITSTATUS` extracts the exit status of the terminating process.

What is a valid output of this program? *Hint: there are several correct solutions.*