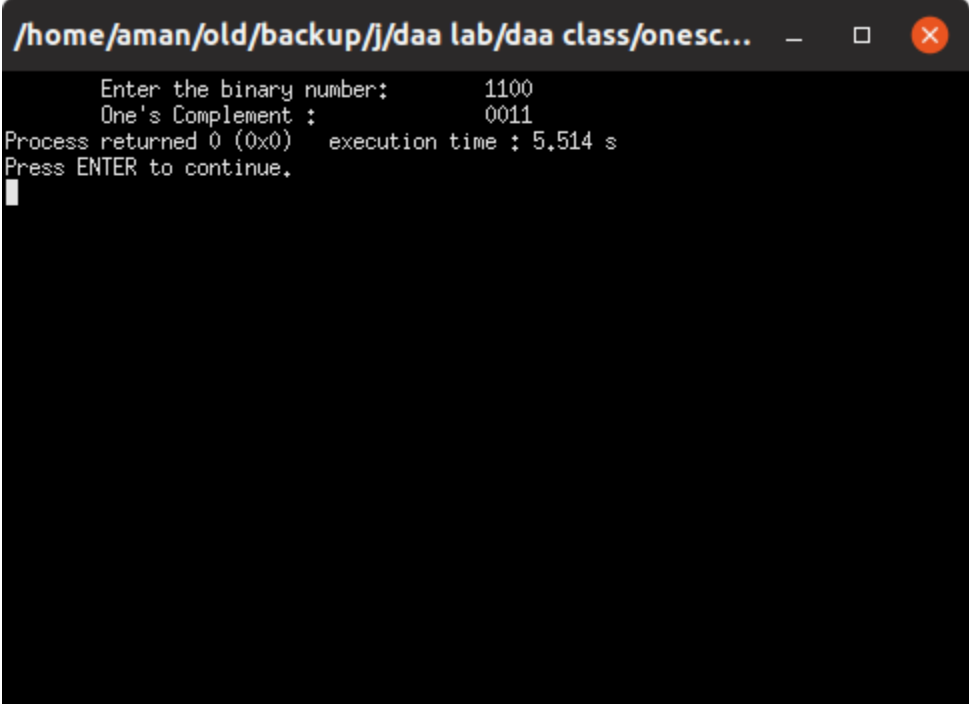


One's Complement

```
#include <stdio.h>
#include <string.h>
int main() {
    char arr[100], comp[100];
    int counter, error=0, n;
    printf("\nEnter the binary number:\t");
    scanf("%s", arr);
    n = strlen(arr);
    for(counter=0; counter < n; counter++) {
        if(arr[counter]=='1') {
            comp[counter] = '0';
        } else if(arr[counter]=='0') {
            comp[counter] = '1';
        } else {
            printf("not binary");
            return 1;
        }
    }
    comp[n] = '\0'; // without this the last index will print any garbage symbol
    printf("\tOne's Complement : \t\t%s", comp);
    return 0;
}
```

A terminal window with a dark background and light-colored text. The window title is `/home/aman/old/backup/j/daa lab/daa class/onesc...`. The output shows the program prompting for a binary number, receiving `1100`, and displaying its one's complement as `0011`. It also shows the process return code and execution time.

```
/home/aman/old/backup/j/daa lab/daa class/onesc...
Enter the binary number:      1100
One's Complement :           0011
Process returned 0 (0x0)    execution time : 5.514 s
Press ENTER to continue.

```