

## Assignment 2

Write a C program that ask user to input an integer. If the integer is positive, ask user to input smaller integer. If the integer is negative, ask user to input larger integer. Then, put an indication to the user to say whether the user follows the instruction or not.

### Sample answer

```
#include <stdio.h>

int main()
{
    int a,b;
    printf("Please enter integer.\n");
    scanf("%d", &a);

    if(a>0){
        printf("%d is POSITIVE. Please enter a SMALLER integer than %d.\n",a,a);
        scanf("%d", &b);
        if(b<a){
            printf("CORRECT. %d is SMALLER than %d.\n",b,a);
        }
        else{
            printf("WRONG. %d is LARGER than %d.\n",b,a);
        }
    }

    else if(a<0){
        printf("%d is NEGATIVE. Please enter a LARGER integer than %d.\n",a,a);
        scanf("%d", &b);
        if(b>a){
            printf("CORRECT. %d is LARGER than %d.\n",b,a);
        }
        else{
            printf("WRONG. %d is SMALLER than %d.\n",b,a);
        }
    }

    else if(a==0){
        printf("%d is ZERO. AWWWWW!\n",a);
    }
}
```

