```c
#include <stdio.h>

#include <signal.h>

// for alarm
#include <unistd.h>

int toolong = 0;

void wakeup(int arg)
{
    toolong = 1;
}

int main()
{
    toolong = 0;
    signal(SIGALRM, wakeup);
    alarm(3);
    printf("You have 3 seconds to enter a number: ");
    int x;
    scanf("%d", &x);
    if (toolong == 1) {
        printf("Sorry, you took to long\n");
        printf("Program terminated\n");
        return 1;
    }

    printf("blue skies, happiness and unicorns %d\n", x);

    return 0;
}
```