

```
#include <stdio.h>

int main() {
    double target_battery_power = 0.75;
    double battery_power;
    double hours = 0;

    while (1) {
        battery_power = -0.2 * hours + 1;

        if (battery_power >= target_battery_power) {
            break;
        }
        hours++;
    }

    printf("The battery power is at 75%% after %.2f hours.\n", hours);

    return 0;
}
```