

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main(void){
5     int factor1, factor2;
6     int unidad, decena, centena;
7
8     do{
9         printf("Introduce el primer valor (hasta 3 cifras): ");
10        scanf("%d", &factor1);
11    }while(factor1 < 0 || factor1 > 999);
12
13    do{
14        printf("Introduce el segundo valor (hasta 3 cifras): ");
15        scanf("%d", &factor2);
16    }while(factor2 < 0 || factor2 > 999);
17
18
19    centena = factor2 / 100;
20    decena = (factor2 - (centena * 100)) / 10;
21    unidad = (factor2 - (centena * 100 + decena * 10));
22
23
24    printf("    %d \n", factor1);
25    printf(" x  %d \n", factor2);
26    printf("-----\n");
27    printf("    %d \n", (unidad * factor1));
28    printf("    %d \n", (decena * factor1));
29    printf("    %d \n", (centena * factor1));
30    printf("-----\n");
31    printf(" %d \n", (factor1 * factor2));
32
33    printf("\n\n");
34    system("pause");
35    return 0;
36 }
37
```