27/5/2021 main.c

```
1 #include <stdio.h>
 2 #include <stdlib.h>
 4 #define MAX 15
 5
 6 /* PROTOTIPO */
 7 void max_min_vector(int *, int, int *, int *);
 8 void lee_vector(int *, int);
9 void escribe_vector(int *, int);
10
11
12 /* FUNCION PRINCIPAL */
13 int main(void) {
14
       int v[MAX], dim, max, min;
15
       puts("======="");
16
17
                  MAXIMO Y MINIMO DE VECTOR
      puts("========");
18
19
20
       do {
           printf("Introduce la dimension efectiva (Max. 15): ");
21
22
           scanf("%d", &dim);
23
       } while(dim < 1 || dim > MAX);
24
25
      lee_vector(v, dim);
26
       puts("\nVECTOR");
27
       escribe_vector(v, dim);
28
       max_min_vector(v, dim, &max, &min);
29
30
       printf("\nValor maximo: %d\tValor minimo: %d", max, min);
31
32
       puts("");
33
       system("pause");
34
       return 0;
35 }
36
37 void max_min_vector(int *v, int dim, int *max, int *min) {
38
       int maxF = v[0], minF = v[0];
39
40
       for(int i = 1; i < dim; i++) {
41
           if(v[i] > maxF) maxF = v[i];
42
           if(v[i] < minF) minF = v[i];
       }
43
44
45
      *max = maxF;
46
      *min = minF;
47 }
48
49 void lee_vector(int *v, int dim) {
50
       for(int i = 0; i < dim; i++) {
          printf("Elemento %d? : ", i+1);
51
52
          scanf("%d", &v[i]);
53
       }
54 }
56 void escribe_vector(int *v, int dim) {
57
       for(int i = 0; i < dim; i++) printf("%8d", v[i]);
58 }
```

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