```c
1   /* report08-a.c - 2番目の最大数 */
2   /* 作成者: 192C2008 石原　峻; 作成日: 19/06/21 */
3
4   #include <stdio.h>
5
6   int main(void)
7   {
8       int i, x, max, max2, n;
9       printf("n = ?");
10      scanf("%d", &n);
11
12      max = -1;
13      max2 = -1;
14
15      for(i = 1; i <= n; i++){
16          printf("x = ?");
17          scanf("%d", &x);
18          if(max < x){
19              max = max2;
20              max = x;
21          }else if(max2 < x){
22              max2 = x;
23          }
24      }
25      printf("max2 = %d\n", max2);
26
27      return 0;
28  }
29
30
31
```