

$$-128 \qquad 127$$

$$0 \qquad 255$$

$$\log_2(6) \approx 2.5 \implies 3$$

```
#include <limits.h>
int numbers[10] = {23, 4, 5, 67, 11, 30, 98, -4, -28, 10};
int max(int* numbers, int len)
{
    int max = INT_MIN;
    for (int i = 0; i < len; i++) {
        if (numbers[i] > max) max = numbers[i];
    }
    return max;
}
```

```
#include <limits.h>
int numbers[10] = {23, 4, 5, 67, 11, 30, 98, -4, -28, 10};
int max(int* numbers, int len)
{
    int max = INT_MIN;
    int secmax = INT_MIN;
    for (int i = 0; i < len; i++) {
        if (numbers[i] > max) {
            secmax = max;
            max = numbers[i];
        }
    }
    return secmax;
}
```