

## Returning an Index

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**Returning an index works almost the same as returning a pointer. Instead of the pointer, you need to keep track of the index. Here is the `smaller()` function which does that:**

```
// Returns the index of the smallest value
// -1 if not found
int smaller(const double a[], size_t len)
{
    int result = -1; // not found
    if (len > 0)
    {
        int smallest = a[0];
        result = 0;
        for (size_t i = 1; i < len; ++i)
        {
            if (a[i] < smallest)
            {
                result = i;
                smallest = a[i];
            }
        }
    }
    return result;
}
```



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