code\sel_sort.cm

```
/* A program to perform selection sort on a 10
   element array.
   Pulled from pp. 496-497 of the text */

int x[10];

int minloc (int a[], int low, int high) {
    int i; int x; int k;
    k = low;
    x = a[low];
    i = low + 1;
    while (i < high) {
        if (a[i] < x) {
            x = a[i];
            k = i;
        }
        i = i + 1;
    }
    return k;
}

void sort (int a[], int low, int high) {
    int i; int k;
    i = low;
    while (i < high - 1) {
        int t;
        k = minloc(a,i,high);
        t = a[k];
        a[k] = a[i];
        a[i] = t;
        i = i + 1;
    }
}

void main (void) {
    int i;
    i = 0;
    while (i < 10) {
        x[i] = input();
        i = i + 1;
    }
    sort(x, 0, 10);
    i = 0;
    while (i < 10) {
        output(x[i]);
        i = i + 1;
    }
}
```