程式碼

#include <stdio.h>

#include <stdlib.h>

void sort(int data[])

{

int i, j, temp;

for (i = 0; i < 10; i++)

{

for (j = 0; j < 9; j++)

{

if (data[j] < data[j + 1]) //if data[j] is bigger than data[j+1]

{

temp = data[j]; //use temp to store data[j]

data[j] = data[j + 1]; //swap data[j] and data[j+1]

data[j + 1] = temp; //set temp to data[j+1]

} //if

} //inner-loop

} //for

} //sort

void display(int data[], int n)

{

int i;

if (n == 1) //if n is 1

{

printf("排序前: ");

for (i = 0; i < 10; i++)

printf("%d ", data[i]); //print array

printf("\n");

} //if

else if (n == 2) //if n is 2

{

printf("排序後: ");

for (i = 0; i < 10; i++)

printf("%d ", data[i]);

printf("\n");

} //else if

else //if n is not 1 or 2

printf("Unknown\n");

} //display

int main()

{

int data[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};

display(data, 1); //print array, 1 stands for before sorting

sort(data); //sort array

display(data, 2); //print array, 2 stands for after sorting

system("pause");

return 0;

}

執行畫面

