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|  |
| --- |
| #include <stdio.h> |
|  |  |
|  | void shellsort(int v[], int n) |
|  | { |
|  | int gap, i, j, temp; |
|  |  |
|  | for(gap = n/2; gap > 0; gap /=2) |
|  | { |
|  | for(i = gap; i < n; i++) |
|  | { |
|  | for(j = i - gap; j >=0 && v[j]>v[j+gap]; j-=gap) |
|  | { |
|  | temp = v[j]; |
|  | v[j] = v[j+gap]; |
|  | v[j+gap] = temp; |
|  | } |
|  | } |
|  | } |
|  | } |
|  |  |
|  | int main() |
|  | { |
|  | int data[10] = { 9, 12, 54, 90, 0, 100, 65, 32, 54, 81}; |
|  | int i; |
|  |  |
|  | for(i = 0; i < 10; ++i) { printf("%d\n", data[i]); } |
|  |  |
|  | shellsort(data, 10); |
|  |  |
|  | for(i = 0; i < 10; ++i) { printf("%d\n", data[i]); } |
|  |  |
|  | return 0; |
|  | } |