

```
#include<stdio.h>

int main()
{
    int a[8]={10, 5, 6, 3, 2, 20, 100, 80};

    int n, i , j, k, temp;

    for(i=1; i<8; i++){
        for(j=i+1; j<8; j++){
            if(a[i-1]>a[i] && a[i]<a[j]){
                continue;
            }
            else if (a[i-1]<a[i] && a[i]>a[j]){
                continue;
            }
            else{
                temp= a[j];
                a[j]=a[i];
                a[i]=temp;
            }
        }
    }

    for(i=0; i<8; i++){
        printf("%d ",a[i]);
    }
}
```