// https://www.programiz.com/dsa/insertion-sort

#include <stdio.h>

#include <string.h>

int main(void) {

int size,i,ii,j,k;

char name[50][25];

char temp[25];

printf("plz enter how many names ? lass than 50 name \n");

scanf("%d", &size);

// fflush(stdin);

int c;

while ((c = getchar()) != '\n' && c != EOF);

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

{

printf("name number [%d]\n",i+1);

gets(name[i]);

}

printf("----- insertion sort -----\n");

for(j=1;j<size;j++)

{

strcpy(temp,name[j]);

while(strcmp(name[j-1],temp)>0 && j>=1)

{

strcpy(name[j],name[j-1]);

j=j-1;

}

strcpy(name[j],temp);

}

for(ii=0;ii<size;ii++)

{

printf("name number [%d]\n",ii+1);

puts(name[ii]);

}

return (0);

}