2

```c
#include <stdio.h>
#include <string.h>
int main() {
char str[5][50], temp[50];
printf("Enter 5 words: ");
for (int i = 0; i < 5; ++i) {
fgets(str[i], sizeof(str[i]), stdin);
}
for (int i = 0; i < 5; ++i) {
for (int j = i + 1; j < 5; ++j) {
if (strcmp(str[i], str[j]) > 0) {
strcpy(temp, str[i]);
strcpy(str[i], str[j]);
strcpy(str[j], temp);
}
}
}
printf("\nIn the lexicographical order: \n");
for (int i = 0; i < 5; ++i) {
fputs(str[i], stdout);
}
return 0;
}
```

```
Enter 5 words: patner
HAT
aNd
MaNGo
animE
In the lexicographical order:
HAT
MaNGo
aNd
animE
patner
```