

```

// wordsHandling v1 - SkeletonCode
#include <stdio.h>

#define TERMINATE          0
#define ADD_WORD          1
#define DISPLAY_WORDS     2
#define INCR_SORT         3
#define DECR_SORT        4
#define WORD_STATS        5
#define CHAR_STATS        6
#define SEARCH_WORD       7

#define MAX_WORDS         6
#define MAX_WORD_LEN     10

int menu(void);
void addword(void);
void displaywords(void);
void incSort(void);
void decSort(void);
void wordStats(void);
void charStats(void);
void searchWord(void);

char word[MAX_WORDS][MAX_WORD_LEN];
int freeEntry=0;

int main(){
    int selectedOp;

    printf("wordsHandling v1 - SkeletonCode\n\n");
    selectedOp=menu();
    while(selectedOp!= TERMINATE){
        switch(selectedOp){
            case ADD_WORD :
                addword();
                break;
            case DISPLAY_WORDS :
                displaywords();
                break;
            case INCR_SORT :
                incSort();
                break;
            case DECR_SORT :
                decSort();
                break;
            case WORD_STATS :
                wordStats();
                break;
            case CHAR_STATS :
                charStats();
                break;
            case SEARCH_WORD :
                searchWord();

```

```

                break;
            default :
                printf("Operation is not supported\n");
                break;
        }
        selectedOp=menu();
    }
    printf("wordsHandling v1 terminated\n");
}

int menu(void){
    int choice;

    printf("\n\n-----MENU-----\n");
    printf("0 - TERMINATE\n");
    printf("1 - ADD WORD\n");
    printf("2 - DISPLAY WORDS\n");
    printf("3 - INCREMENTAL SORT\n");
    printf("4 - DECREMENTAL SORT\n");
    printf("5 - WORD STATISTICS\n");
    printf("6 - CHARACTER STATISTICS\n");
    printf("7 - SEARCH WORD\n\n\n");
    printf("select operation:");
    scanf("%d",&choice);
    return (choice);
}

void addword(void){
    printf("add word\n");

    ....
    freeEntry++;
}

void displaywords(void){
    printf("display words\n");
    ....
}

void incSort(void){
    printf("incremental sort\n");
    ...
}

void decSort(void){
    printf("decremental sort\n");
    ...
}

void wordStats(void){
    printf("word statistics\n");
    ...
}

```

```
}  
void charStats(void){  
    printf("character statistics\n");  
    ...  
}  
void searchWord(void){  
    printf("search word\n");  
    ...  
}
```