

```
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
```

```
#define MAXPAROLA 30
#define MAXRIGA 80
```

```
int main(int argc, char *argv[])
{
    int freq[MAXPAROLA]; /* vettore di contatori
delle frequenze delle lunghezze delle parole */
    char riga[MAXRIGA];
    int i, inizio, lunghezza;
    FILE *f;
```

```
for(i=0; i<MAXPAROLA; i++)
    freq[i]=0;
```

```
if(argc != 2)
```

```
{
    printf(stderr, "ERRORE, serve un parametro con il nome del file\n");
    exit(1);
}
```

```
f = fopen(argv[1], "r");
if(f==NULL)
```

```
{
    printf(stderr, "ERRORE, impossibile aprire il file %s\n", argv[1]);
    exit(1);
}
```

```
while( fgets( riga, MAXRIGA, f ) != NULL )
```



# Algorithms and Data Structures

## Review Section

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## Review Section

- ❖ The initial part of AADS is dedicated to the review part
  - Mainly on problem solving and the C language
- ❖ The review part will last the first week of the course
  - It is made up of 5 parts

## Review Section

- Discussion on “Common C Errors”
  - Unit 01 Section 02 (**u01s02**)
- Entry tests on theory
  - **Exercise** platform
- Entry tests problem solving
  - **Exercise** platform
  - Unit 01 Section 03 (**u01s03**)
- Warming-up «home» laboratory
  - Laboratory 00-Warm-up
- Review on memory and C pointers
  - Unit 02 Section 01 (**u02s01**)

# Review Section

## ➤ Discussion on “Common C Errors”

- Unit 01 Section 02 (**u01s02**)

Lecture #2

## ➤ Entry tests on theory

- **Exercise** platform

Home

## ➤ Entry tests problem solving

- **Exercise** platform

Home

- Unit 01 Section 03 (**u01s03**)

Lecture #3

## ➤ Warming-up «home» laboratory

- Laboratory 00-Warm-up

Home

## ➤ Review on memory and C pointers

- Unit 02 Section 01 (**u02s01**)

Lecture #4