

// Exercice 1 (3pts)

```
void get_equipements_groupes(FILE *fp, char
groupe, int* t ){
    char s[50];
    int eq;int nb=0;
    rewind(fp);
    while(fgets(s,50,fp)&& nb<4){
        sscanf(s+45,"%c",&gpe);
        if(groupe == gpe){
            sscanf(s,"%5d",&eq);
            t[nb]=eq;
            nb++;
        }
    }
}
```

// Exercice 2 4pts

```
int getPoints(int eq, char score){
    if(score == 'x')
        return 1;
    if(eq == 1){
        if (score == '1')
            return 3;
        return 0;
    }else{
        if (score == '2')
            return 3;
        return 0;
    }
}
```

```

}
void getDiffButsPts(int code,int* b,
int* p){
FILE *fp = fopen("resultats.txt","r");
int c;
char score;
while(fgets(s,25,fp)){
    sscanf(s,"%5d",&c);
    if(c == code){
        sscanf(s+5,"%c%2d%2d",&score,
&nb1,&nb2);
        *p+=getPoints(eq,score);
        if(eq==1)
            *b=nb1-nb2;
        else
            *b=nb2-nb1;
        break;
    }
}
fclose(fp);
}

```

```

void buts_diffButs(FILE *fp, int eq,
int* pts, int* db) {
    char s[50];
    int eq1,eq2,code,b,p;
    *pts=0; *db=0;
    rewind(fp);
}

```

```

while(fgets(s,25,fp)){
    sscanf(s+13,"%5d%5d",&eq1,&eq2);
    if(eq1 == eq || eq2 == eq){
        sscanf(s,"%5d",&code);
        if(eq1 == eq){
            eq=1;
        }else{
            eq=2;
        }
        getDiffButsPts(code,&b,&p,eq);
        *pts+=p;
        *db+=b;
    }
}
}
}
//Ex 3 (4pts)

```

```

#include<stdio.h>
#include<string.h>

```

```

typedef struct Team{
    int codeTeam;
    int nbpoint;
    int diff;
};

```

```

//Trier les équipes
void sort(Team* t, int n){

```

```
//N'importe quel algorithme de tri  
mais il faut juste valider les  
//Conditions
```

```
}
```

```
void showNameCountry(FILE* fp, int code){  
    int eq;  
    rewind(fp);  
    while(fgets(s,50,fp)){  
        sscanf(s,"%5d",&eq);  
        if(eq == code){  
            printf("Pays : %10s Nomination :  
%30s \n ",s+5,s+15);  
            break ;  
        }  
    }  
}
```

```
char gpe;  
int equipes[4],db,pts;  
Team t[4];  
printf("Donner le groupe");  
scanf("%c",&gpe);  
FILE* fp=fopen("equipe.txt","r");  
FILE* fp1=fopen("match.txt","r");  
//On commence par récupérer les équipes  
du groupe  
get_equipes_groupes(fp, gpe, equipes );
```

//On crée une structure qui permet de récupérer une équipe son nbBut et sa diffDeBut

```
for(i=0;i<4;i++){
    t[i].codeTeam = equipes[i];
    buts_diffButs(fp1, equipes[i], & pts,
    & db)
    t[i].diff=db;
    t[i].nbpoint=pts;
}
```

//On la trie selon les critères

```
sort(t,4);
```

//On affiche

```
showNameCountry(fp,t[0].codeTeam);
showNameCountry(fp,t[1].codeTeam);
}
```

//Ex 4 (3pts)

```
void actualise_resultat_match(FILE *fp,
int code, char res, int but1, int but2){
char s[12]; int c;
rewind(fp);
```

```
while(fgets(s,12,fp)){
    sscanf(s,"%5d",&c);
    if (code == c ){
        fseek(fp,-6,SEEK_CUR);
```

```
        fprintf(fp, "%c%2.2d%2.2d", res,  
but1, but2);  
    }  
}
```