Player

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#include <stdio.h>
#include <stdlib.h>
#include <string.h>
typedef struct Player
    char *Nom;
    char *Prenom;
    unsigned Numero;
}Player;
void Remplir_Tab_Players(Player P[], int n)
    char ch[100];
    for (int i = 0; i < n; i++)
        printf("*******Player %d\n",i+1);
        printf("nom : ");
        fflush(stdin);
        gets(ch);
        P[i].Nom=(char*)malloc(sizeof(char)*(strlen(ch)+1));
        printf("prenom : ");
        gets(ch);
        P[i].Prenom=(char*)malloc(sizeof(char)*(strlen(ch)+1));
        printf("Numero : ");
        scanf("%u",&P[i].Numero);
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void Affiche_Tab_Players(Player P[], int n)
   for(int i=0;i<n;i++)</pre>
       printf("*******Player %d\n",i+1);
       printf("Nom: %s \n",P[i].Nom);
       printf("Prenom: %s \n",P[i].Prenom);
       printf("Numero: %u \n",P[i].Numero);
void Save(Player P[],int n, char*path)
   FILE *file;
   int i;
   file=fopen(path,"w");
   for(i=0;i<n;i++)
       fprintf(file, "%s\t%s\t%u\n",P[i].Nom,P[i].Prenom,P[i].Numero);
   fclose(file);
void Chargement(Player P[],int* n, char*path)
   FILE *file;
   char nom[100], prenom[100];
   unsigned numero;
   int i=0;
   file=fopen(path, "r");
   while(!feof(file))
       fscanf(file,"%s\t%s\t%u/%u/%u\n",nom,prenom,numero);
       P[i].Nom=(char*)malloc(sizeof(char)*(strlen(nom)+1));
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```
strcpy(P[i].Nom,nom);
        P[i].Prenom=(char*)malloc(sizeof(char)*(strlen(prenom)+1));
        strcpy(P[i].Prenom, prenom);
        P[i].Numero=numero;
        i++;
    *n=i;
void chargement_doChargement_Dynamique(Player **P,int* n, char*path)
   FILE *file;
   char nom[100], prenom[100];
   unsigned numero;
   int i=0,nbrLigne=0;
   file=fopen(path, "r");
   while(!feof(file))
        fscanf(file,"%s\t%s\t%u\n",nom,prenom,numero);
        nbrLigne++;
    fclose(file);
    printf("nbrLigne=%d\n",nbrLigne);
    *n=nbrLigne;
    (*P)=(Player*)malloc(nbrLigne*sizeof(Player));
   file=fopen(path, "r");
   while(!feof(file))
        fscanf(file,"%s\t%s\t%u\n",nom,prenom,numero);
        (*P)[i].Nom=(char*)malloc(sizeof(char)*(strlen(nom)+1));
        strcpy((*P)[i].Nom,nom);
        (*P)[i].Prenom=(char*)malloc(sizeof(char)*(strlen(prenom)+1));
        strcpy((*P)[i].Prenom,prenom);
        (*P)[i].Numero=numero;
```

```
fclose(file);
void Tri_insertion_Players(Player T[],int n, int (*oper)(Player,Player))
   int i,j;
   Player v;
   for(i=1;i<n;i++)
      v=T[i];
      j=i-1;
      while(j>=0 && (*oper)(T[j],v)>0)//strcmp(T[j].Nom,v.Nom)>0)
         T[j+1]=T[j];
         j--;
      T[j+1]=v;
int Compare Player Nom(Player p1,Player p2)
   return strcmp(p1.Nom,p2.Nom);
int Compare_Player_Prenom(Player p1,Player p2)
   return strcmp(p1.Prenom,p2.Prenom);
void main()
```

```
Player tabPers[100];
int nbr;
do
   printf("nbr= ");
   scanf("%d",&nbr);
} while (nbr<=0);</pre>
printf("\n\n-----Remplir Tab\n\n\n");
Remplir_Tab_Players(tabPers,nbr);
printf("\n\n-----Affichage Tab\n\n\n");
Affiche_Tab_Players(tabPers,nbr);
printf("\n\n-----Trier par Nom Tab\n\n\n");
Tri_insertion_Players(tabPers,nbr,Compare_Player_Nom);
printf("\n\n-----Affichage Tab\n\n\n");
Affiche_Tab_Players(tabPers,nbr);
printf("\n\n-----Trier par Prenom Tab\n\n\n");
Tri_insertion_Players(tabPers,nbr,Compare_Player_Prenom);
printf("\n\n-----Affichage Tab\n\n\n");
Affiche_Tab_Players(tabPers,nbr);
printf("\n\n-----Sauvegrade fichier\n\n\n");
Save(tabPers,nbr, "monFichier.txt");
```