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1  //Exercice 1
2  //1
3  procedure Rang(E T: Tableau[1..N] de entier, E T1: Tableau[1..N] de entier)
4  var i, nb: entier
5  debut
6  Pour i de 1 à N faire
7      nb <-- 1
8      Pour j de 1 à N faire
9          si (T[i]>T[j]) alors
10             nb <--nb+1
11             fin si
12      Fin pour
13      T1[i]=nb
14  fin pour
15  fin procedure
16
17  //2
18  void retour_arriere(char * ch)
19  {
20  int i;
21  for (i=0; i<strlen(ch);i++)
22  {
23      if(ch[i]=='#')
24      if(i>0)
25          if(i<strlen(ch)-1)
26              strcpy(ch+i-1,ch+i+1)
27          else
28              ch[i-1]='\0';
29
30      else
31          if(i<strlen(ch)-1)
32              strcpy(ch+i,ch+i+1)
33          else
34              ch[i]='\0';
35
36
37  }
38  }
39
40
41
42  // Qui permet de chercher le numéro de la dernière ligne
43  // de publication pour un thème donné.
44
45  int getThemeLineByName(
46  char *theme, FILE *fp_theme, char* s
47  ) { int firstLine;
48      sprintf(theme,"%-25.25s",theme);
49      rewind(fp_theme);
50      while (fgets(s,35,fp)) {
51          if (!strcmp(s,theme,25)){
52              break;
53          }
54      }
55      sscanf(s+25,"%5d",&firstLine);
56      return firstLine;
57  }
58  Int get_last(
59  char *theme, FILE *fp_publication, FILE *fp_theme
60  )
61  {
62      char s[70];
63      int lastLine;
64      int actLine = getThemeLineByName(theme, fp_theme, s);
65      lastLine = actLine;
66      if (actLine == -1) return actLine;
67      while(1) {
68          fseek(fp_publication, actLine*56 + 50, SEEK_SET);
69          fscanf(fp,"%5d",&actLine);
70          if (actLine == -1);
71              return lastLigne;
72          lastLine = actLine;
73      }

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74     }
75
76 void insertPublication(
77     char * titre_publication, char *theme,
78     FILE *fp_publication, FILE *fp_theme
79 )
80 {
81     int lastLine = get_last(theme, fp_publication, fp_theme);
82     fseek(fp_publication, 0, SEEK_END);
83     int numNewline = ftell(fp_publication)/56;
84     int nextLine = -1;
85     if (lastLigne == -1) {
86         fseek(fp_theme, -6, SEEK_CUR);
87         fprintf(fp_theme, "%5d", numNewLine);
88     } else {
89         fseek(fp_publication, 56 * lastLine + 50 , SEEK_SET);
90         fprintf(fp_publication, "%5d", numNewlign);
91     }
92     fprintf(fp_publication, "%-50.50s%5d",titre_publication, nextLine);
93 }
94 /*
95 Qui permet d'afficher les titres des publications pour un thème donné
96 */
97 Void view_publication(char *theme, FILE *fp_publication, FILE *fp_theme)
98 {
99     int premier;
100     char s[70], publication[55];
101     int numLine = getThemeLineByName(theme, fp_theme, s);
102     while(numLine != -1 ) {
103         fseek(fp_publication, 56 * numLine , SEEK_SET);
104         fscanf(fp_publication,"%50s%5d", publication, &numLine);
105         puts(publication);
106     }
107 }
108
109
110
111
112

```