```c
1    /*Vi du 1:
2    Chuong trinh ghi chuoi ky tu len tap tin van ban.
3    */
4    #include<stdio.h>
5    #include<conio.h>
6
7    int main()
8    {
9        FILE *f;
10       clrscr();
11       f=fopen("D:\\Baihat.txt","a");
12
13       if (f!=NULL)
14       {
15           fputs("Em oi Ha Noi pho.\n",f);
16           fputs("Ta con em, mui hoang lan; ta con em, mui hoa sua.",f);
17           fclose(f);
18       }
19       getch();
20       return 0;
21   }
22   /**************************************************************************
23   **************************************************************************/
24   /*Vi du 2:
25   Chuong trinh chep tap tin Baihat.txt sang tap tin Baica.txt
26   */
27   #include<stdio.h>
28   #include<conio.h>
29
30   int main()
31   {
32       FILE *f1,*f2;
33       clrscr();
34       f1=fopen("D:\\Baihat.txt","r");
35       f2=fopen("D:\\Baica.txt","w");
36       if (f1!=NULL && f2!=NULL)
37       {
38           int ch=fgetc(f1);
39           while (! feof(f1))
40           {
41               fputc(ch,f2);
42               ch=fgetc(f1);
43           }
44           fcloseall();
45       }
46       getch();
47       return 0;
48   }
49   /**************************************************************************
50   **************************************************************************/
51   /*Vi du 3:
52   Viet chuong trinh ghi len tap tin CacSo.dat 3 gia tri so (thuc,nguyen,nguyen dai).
53   ->Sau do doc cac so tu tap tin vua ghi va hien thi len man hinh.
54   */
55   #include<stdio.h>
56   #include<conio.h>
```

```c
57
58   int main()
59   {
60      FILE *f;
61      clrscr();
62      f=fopen("D:\\CacSo.txt","wb");
63      if (f!=NULL)
64      {
65         double d=3.14;
66         int i=101;
67         long l=54321;
68         fwrite(&d,sizeof(double),1,f);
69         fwrite(&i,sizeof(int),1,f);
70         fwrite(&l,sizeof(long),1,f);
71         /* Doc tu tap tin*/
72         rewind(f);
73         fread(&d,sizeof(double),1,f);
74         fread(&i,sizeof(int),1,f);
75         fread(&l,sizeof(long),1,f);
76         printf("Cac ket qua la: %f  %d  %ld",d,i,l);
77         fclose(f);
78      }
79      getch();
80      return 0;
81   }
82   /***************************************************************************
83   ***************************************************************************/
84   /*Vi du 4:
85   Chuong trinh nhap 1 mang  so nguyen sau do ghi len file
86   Doc mang tu file va hien thi len manh hinh.
87   */
88   #include <stdio.h>
89   #include <conio.h>
90
91   //Ham nhap cac phan tu vao mang
92   void nhap(int a[], int n)
93   {
94      for(int i=1; i<=n; i++)
95      {
96         printf("Nhap pt a[%d]: ",i);
97         scanf("%d", &a[i]);
98      }
99   }
100
101  //Ham ghi mang vao file
102  void ghifile(int a[],int n)
103  {
104     FILE *f;
105     f=fopen("bcdonline.text","wt");
106     fprintf(f,"%d",n);
107     for(int i=1;i<=n;i++)
108        fprintf(f,"%3d",a[i]);
109     fclose(f);
110  }
111
112  //Ham doc tu file vao mang
```

```
113    void docfile(int a[],int &n)
114    {
115        FILE *f;
116        f=fopen("bcdonline.text","rt");
117        fscanf(f,"%d",&n);
118        for(int i=1;i<=n;i++)
119            fscanf(f,"%d",&a[i]);
120        fclose(f);
121    }
122
123    //Ham xuat cac phan tu cua mang len man hinh
124    void xuat(int a[],int n)
125    {
126        printf("\nKet Qua Doc File:\n\n");
127        for(int i=1;i<=n;i++)
128            printf("%3d",a[i]);
129    }
130
131    //Ham main
132    int main()
133    {
134        int a[100],n;
135        clrscr();
136        printf("\nNhap so phan tu:");
137        scanf("%d",&n);
138        nhap(a,n);       //goi ham nhap mang;
139        ghifile(a,n);
140        docfile(a,n);
141        xuat(a,n);       //goi ham xuat mang
142        getch();
143        return 0;
144    }
145    /**************************************************************************
146    **************************************************************************/
147    /*Vi du 5:
148    Moi sinh vien can quan ly it nhat 2 thong tin: ma so sinh vien
149    va ho ten. Viet chuong trinh cho phep lua chon cac chuc nang:
150    -Nhap danh sach sinh vien tu ban phim roi ghi len tap tin SinhVien.dat
151    -Doc du lieu tu tap tin SinhVien.dat roi hien thi danh sach len man hinh
152    -Tim Kiem ho ten cua mot sinh vien nào do dua vao ma so sinh vien nhap tu ban phim.
153    */
154    #include<stdio.h>
155    #include<conio.h>
156    #include<string.h>
157
158    typedef struct
159    {
160        char Ma[10];
161        char HoTen[40];
162    }SinhVien;
163
164    void WriteFile(char *FileName)
165    {
166        FILE *f;
167        int n,i;
168        SinhVien sv;
```

```
169        f=fopen(FileName,"ab");
170        printf("Nhap so luong sinh vien:");
171        scanf("%d",&n);
172        fflush(stdin);
173        for(i=1;i<=n;i++)
174        {
175            printf("Sinh vien thu %i\n",i);
176            printf("  - MSSV: ");gets(sv.Ma);
177            printf("  - Ho ten: ");gets(sv.HoTen);
178            fwrite(&sv,sizeof(sv),1,f);
179            fflush(stdin);
180        }
181        fclose(f);
182        printf("Bam phim bat ky de tiep tuc");
183        getch();
184    }
185
186    void ReadFile(char *FileName)
187    {
188        FILE *f;
189        SinhVien sv;
190        f=fopen(FileName,"rb");
191        printf("    MSSV  |  Ho va ten\n");
192        fread(&sv,sizeof(sv),1,f);
193        while (!feof(f))
194        {
195            printf("  %s  |  %s\n",sv.Ma,sv.HoTen);
196            fread(&sv,sizeof(sv),1,f);
197        }
198        fclose(f);
199        printf("Bam phim bat ky de tiep tuc!!!");
200        getch();
201    }
202    void Search(char *FileName)
203    {
204        char MSSV[10];
205        FILE *f;
206        int Found=0;
207        SinhVien sv;
208
209        fflush(stdin);
210        printf("Ma so sinh vien can tim: ");gets(MSSV);
211        f=fopen(FileName,"rb");
212        while (!feof(f) && Found==0)
213        {
214            fread(&sv,sizeof(sv),1,f);
215            if (strcmp(sv.Ma,MSSV)==0)
216                Found=1;
217        }
218        fclose(f);
219        if (Found == 1)
220            printf("Tim thay SV co ma %s. Ho ten la: %s",sv.Ma,sv.HoTen);
221        else
222            printf("Tim khong thay sinh vien co ma %s",MSSV);
223
224        printf("\nBam phim bat ky de tiep tuc!!!");
```

```c
        getch();
    }

    int main()
    {
        int c;
        for (;;)
        {
            clrscr();
            printf("1. Nhap DSSV\n");
            printf("2. In DSSV\n");
            printf("3. Tim kiem\n");
            printf("4. Thoat\n");
            printf("Ban chon 1, 2, 3, 4: "); scanf("%d",&c);
            if(c==1)
                WriteFile("d:\\SinhVien.Dat");
            else  if (c==2)
                    ReadFile("d:\\SinhVien.Dat");
                else  if (c==3)
                        Search("d:\\SinhVien.Dat");
                    else break;
        }
        return 0;
    }
```