

```
//Answer on Question #38606 - Programming, C++
```

```
#include <stdio.h>
```

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

```
FILE *f;          //file var
```

```
struct record //record for store the name and telephone
```

```
{
```

```
    char name[20];
```

```
    char tel_num[20];
```

```
} rec;
```

```
void append() // append function
```

```
{
```

```
    f = fopen("records.dat","a"); // open file for append
```

```
    printf("Enter the name: ");
```

```
    scanf("%s",rec.name);
```

```
    printf("Enter the telephone: ");
```

```
    scanf("%s",rec.tel_num);
```

```
    fwrite(&rec,sizeof(rec),1,f); //write record to file
```

```
    fclose(f);
```

```
}
```

```
int display() //display telephone for existed name
```

```
{
```

```
    char name[20];
```

```
    f = fopen("records.dat","r"); //open file for reading
```

```
    printf("Enter the name to find: ");
```

```
    scanf("%s",name);
```

```
    while (!feof(f)) // if the name exist break the cycle end return to main function
```

```

    {
        fread(&rec,sizeof(rec),1,f);
if ( strcmp(rec.name,name) == 0 ) //compare strings
        {
            printf("Telephone number: %s\n",rec.tel_num); //display telephone
            fclose(f);
            return 0;
        }
    }
printf("\nRecord not found!\n");
    fclose(f);
    return 0;
}

```

```

void menu() //display menu function

```

```

{
    printf("\n");
    printf("1.Append reccord\n");
    printf("2.Display reccord\n");
    printf("3.Exit\n");
}

```

```

int main() //main function

```

```

{
    char ch;
    menu();
    while ((ch = getchar())!='3') //main cycle
    {
        switch(ch)

```

```
        {
            case '1': { append(); menu(); break;}
            case '2': { display(); menu(); break;}
        }
    }
    return 0;
}
```