Programming lab 9 data structures friend info counter evelyn luo

```
main.c                                    ⌐┐  ☾   ⤜° Share    Run
                                          └┘

1   // created by evelyn luo
2   // Lab 9 Data structure
3   // November 17, 2024
4
5   #include <stdio.h>
6   #include <string.h>
7   #include <stdlib.h>
8
9   typedef struct besties
10  {
11      char name[10];
12      int number;
13      char email[30];
14      int years;
15
16  }bff;
17
18  int main()
19  {
20      char ans;
21
22      bff bestie[5];
23      int x = 0;
24
25      do
26      {
```

```
23       int x = 0;
24
25       do
26       {
27           printf("\n**********************************\n");
28           printf("Friend number %d", x);
29
30           printf("\nPlease enter your bestie's name ^3^: ");
31           scanf(" %s", bestie[x].name);
32
33           printf("\nPlease enter your bestie's email ^3^: ");
34           scanf(" %s", bestie[x].email);
35
36           printf("\nHow long in years have you been with your bestie? 7u7 : ");
37           scanf(" %d", &bestie[x].years);
38
39           printf("\nPlease enter your bestie's number ^3^: ");
40           scanf(" %d", &bestie[x].number);
41           printf("\n**********************************\n");
42
43           x++;
44
45           printf("\nWould you like to add someone else to your bestie-list? y/n: ");
46           scanf(" %c", &ans);
47
```

```c
39          printf("\nPlease enter your bestie´s number ^3^: ");
40          scanf(" %d", &bestie[x].number);
41          printf("\n*********************************\n");
42
43        x++;
44
45          printf("\nWould you like to add someone else to your bestie-list? y/n:
                ");
46          scanf(" %c", &ans);
47
48      }while(ans == 'y' || ans == 'Y');
49
50      x = 0;//resetting the counter
51      for (x < 0; x < 5; x++)
52 ▾      {
53
54          printf("\nBestie-name: %s", bestie[x].name);
55          printf("\nBestie-number: %d", bestie[x].number);
56          printf("\nBestie-mail: %s", bestie[x].email);
57          printf("\nBestie-ship duration: %d\n", bestie[x].years);
58
59        }
60
61
62      return 0;
63  }
```

Output

Screenshot 1

```
main.c                                    Share   Run

31        scanf(" %s", bestie[x].name);
32
33        printf("\nPlease enter your bestie´s email ^3^: ");
34        scanf(" %s", bestie[x].email);
35
36        printf("\nHow long in years have you been with your bestie? 7u7 : ");
37        scanf(" %d", &bestie[x].years);
38
39        printf("\nPlease enter your bestie´s number ^3^: ");
40        scanf(" %d", &bestie[x].number);
41        printf("\n*********************************\n");
42
43        x++;
44
45        printf("\nWould you like to add someone else to your bestie-list? y/n:
          ");
46        scanf(" %c", &ans);
47
48    }while(ans == 'y' || ans == 'Y');
49
50    x = 0;//resetting the counter
51    for (x < 0; x < 5; x++)
52•       {
53
54        printf("\nBestie-name: %s", bestie[x].name);
55        printf("\nBestie-number: %d", bestie[x].number);
```

```
Output                                                Clear

***********************************

Would you like to add someone else to your bestie-list? y/n: y

***********************************
Friend number 2
Please enter your bestie´s name ^3^: Zirco

Please enter your bestie´s email ^3^: Zirco@bff.com

How long in years have you been with your bestie? 7u7 : 10

Please enter your bestie´s number ^3^: 70570503

***********************************

Would you like to add someone else to your bestie-list? y/n: y

***********************************
Friend number 3
Please enter your bestie´s name ^3^: Nico

Please enter your bestie´s email ^3^: Nico@bff.com

How long in years have you been with your bestie? 7u7 : 8
```

Screenshot 2

```
main.c                                    Share   Run

31        scanf(" %s", bestie[x].name);
32
33        printf("\nPlease enter your bestie´s email ^3^: ");
34        scanf(" %s", bestie[x].email);
35
36        printf("\nHow long in years have you been with your bestie? 7u7 : ");
37        scanf(" %d", &bestie[x].years);
38
39        printf("\nPlease enter your bestie´s number ^3^: ");
40        scanf(" %d", &bestie[x].number);
41        printf("\n*********************************\n");
42
43        x++;
44
45        printf("\nWould you like to add someone else to your bestie-list? y/n:
          ");
46        scanf(" %c", &ans);
47
48    }while(ans == 'y' || ans == 'Y');
49
50    x = 0;//resetting the counter
51    for (x < 0; x < 5; x++)
52•       {
53
54        printf("\nBestie-name: %s", bestie[x].name);
55        printf("\nBestie-number: %d", bestie[x].number);
```

```
Output                                                Clear

How long in years have you been with your bestie? 7u7 : 8

Please enter your bestie´s number ^3^: 70570502

***********************************

Would you like to add someone else to your bestie-list? y/n: y

***********************************
Friend number 4
Please enter your bestie´s name ^3^: Bruno

Please enter your bestie´s email ^3^: Bruno@bff.com

How long in years have you been with your bestie? 7u7 : 6

Please enter your bestie´s number ^3^: 70570501

***********************************

Would you like to add someone else to your bestie-list? y/n: n

Bestie-name: Cai
Bestie-number: 70570505
Bestie-mail: Cai@bff.com
Bestie-ship duration: 5
```

Screenshot 3

```
main.c                                    Share   Run

31        scanf(" %s", bestie[x].name);
32
33        printf("\nPlease enter your bestie´s email ^3^: ");
34        scanf(" %s", bestie[x].email);
35
36        printf("\nHow long in years have you been with your bestie? 7u7 : ");
37        scanf(" %d", &bestie[x].years);
38
39        printf("\nPlease enter your bestie´s number ^3^: ");
40        scanf(" %d", &bestie[x].number);
41        printf("\n*********************************\n");
42
43        x++;
44
45        printf("\nWould you like to add someone else to your bestie-list? y/n:
          ");
46        scanf(" %c", &ans);
47
48    }while(ans == 'y' || ans == 'Y');
49
50    x = 0;//resetting the counter
51    for (x < 0; x < 5; x++)
52•       {
53
54        printf("\nBestie-name: %s", bestie[x].name);
55        printf("\nBestie-number: %d", bestie[x].number);
```

```
Output                                                Clear

Bestie-name: Cai
Bestie-number: 70570505
Bestie-mail: Cai@bff.com
Bestie-ship duration: 5

Bestie-name: Kurui
Bestie-number: 7050504
Bestie-mail: Kurui@bff.com
Bestie-ship duration: 5

Bestie-name: Zirco
Bestie-number: 70570503
Bestie-mail: Zirco@bff.com
Bestie-ship duration: 10

Bestie-name: Nico
Bestie-number: 70570502
Bestie-mail: Nico@bff.com
Bestie-ship duration: 8

Bestie-name: Bruno
Bestie-number: 70570501
Bestie-mail: Bruno@bff.com
Bestie-ship duration: 6
```