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1  #include <stdio.h>
2  #include <stdlib.h>
3  #include<ctype.h>
4  int n=2; //number of students
5  struct student
6  {
7      char firstName[50];
8      int roll;
9      float percentage;
10 } s[10];
11
12 union contact
13 {
14     char email[100];
15     char mobile[10];
16 } x[10];
17
18 int main()
19 {
20     int i, choice[n];
21     printf("-----Enter information of students:-----\n");
22
23     // storing information
24     for (i = 0; i < n; ++i)
25     {
26         s[i].roll = i + 1;
27         printf("For Student bearing roll number  %d ,\n", s[i].roll);
28         printf("Enter name:");
29         scanf("%s",s[i].firstName);
30         printf("Enter percenatge obtained: ");
31         scanf("%f", &s[i].percentage);
32         printf("Enter a contact detail \n1:Email\n2:Phone Number\n");
33         scanf("%d",&choice[i]);
34         switch(choice[i])
35         {
36             case 1:
37             {
38                 printf("Enter Email\n");
39                 scanf("%s",&x[i].email);
40                 break;
41             }
42             case 2:
43             {
44                 printf("Enter Phone Number\n");
45                 scanf("%s",&x[i].mobile);
46                 break;
47             }
48             default :
49                 exit(0);
50         }
51     }
52     printf("\n\n-----Displaying Information:-----\n\n");
53
54     // displaying information
55     for (i = 0; i <n ; ++i)
56     {
57         printf("\nRoll number          : %d\n", i + 1);
58         printf("First name              : ");
59         puts(s[i].firstName);
60         printf("Percentage                : %.2f%", s[i].percentage);
61         if(choice[i]==1)
62         {printf("\nEmail                  : ");
63          puts(x[i].email);
64         }
65         else{printf("\nPhone                      : ");
66              puts(x[i].mobile);

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67         }
68         printf("\n");
69     }
70     return 0;
71 }
72 //123spara@g
```