

array3.c

```
1  #include <stdio.h>
2
3  // Give an array of marks of 10 students, if the marks of any student is less than
4  // 35, print its roll number. [here roll number refers to index of array]
5
6  int main(){
7      int marks[10] = {45, 32, 67, 29, 50, 80, 22, 90, 33, 55};
8
9      for(int i = 0; i < 10; i++){
10         if(marks[i] < 35){
11             printf("Student with roll number %d has failed.\n", i);
12         }
13     }
14
15     printf("\n");
16
17     // take input of 5 students marks and print them
18     int inputMarks[10];
19     printf("Enter marks of 10 students: \n");
20     for(int i = 0; i < 10; i++){
21         printf("Student %d: ", i+1);
22         scanf("%d", &inputMarks[i]);
23     }
24
25     printf("You entered: ");
26     for(int i = 0; i < 10; i++){
27         printf("%d ", inputMarks[i]);
28     }
29     printf("\n");
30
31     // check which students have less than 35 marks
32     for(int i = 0; i < 10; i++){
33         if(inputMarks[i] < 35){
34             printf("Student with roll number %d has failed.\n", i);
35         }
36     }
37
38     return 0;
39 }
```