

```
1  #include <stdio.h>
2  #include <string.h>
3
4  void authenticate();
5
6  int main(int argc, char* argv[]){
7
8      authenticate();
9
10     return 0;
11 }
12
13
14 void authenticate(){
15
16     unsigned char pass = 0;
17     char buff[?]; //You will need to figure out the buffer length
18
19     printf("\nEnter your password : \n");
20     gets(buff);
21
22     if(strcmp(buff, "?????")){ //You will need to figure out the correct
        password
23         printf ("\nWrong Password \n");
24     }
25     else{
26         printf ("\nCorrect Password \n");
27         pass = 1;
28     }
29
30     if(pass){
31         /* Give elevated privileges to user*/
32         printf ("\nElevated privileges given to the user ...\n");
33         while(1){
34             //Do Privileged Actions
35         }
36     }else{
37         printf("Exiting\n");
38     }
39
40 }
```