

Problem 1 Source Code:

```
1  #include<stdio.h>
2  #include<string.h>
3
4  int main(void) {
5
6
7  //just copy pasting for reference
8  /*
9      char letter = 'a';
10
11      while(letter <= 'z') {
12          printf("%c\n" , letter);
13          letter++;
14      }
15  */
16      //defining necessary variables
17      int i;
18      char curLetter;
19
20      //the while loop as a for loop
21      for(i = 0; i < 26; i++) {
22          curLetter = i + 97;
23          printf("%c", curLetter);
24      }
25
26
27      return 0;
28 }
```

Problem 1 Sample Output:

```
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz04
$ ./alphabet
abcdefghijklmnopqrstuvwxyz
```

Problem 2 Source Code:

```

1  #include<stdio.h>
2  #include<string.h>
3
4  int main(void){
5
6      //defining variable
7      char userPassword[50];
8
9      //asking for user input
10     printf("Please enter a password: ");
11     scanf("%s", userPassword);
12
13     //making required changes to user inputted string
14     for(int i = 0; i < strlen(userPassword); i++){
15         if(userPassword[i] == 'i'){
16             userPassword[i] = 'l';
17         } else if(userPassword[i] == 'a'){
18             userPassword[i] = '@';
19         } else if(userPassword[i] == 'm'){
20             userPassword[i] = 'M';
21         } else if(userPassword[i] == 'B'){
22             userPassword[i] = '8';
23         } else if(userPassword[i] == 's'){
24             userPassword[i] = '$';
25         }
26     }
27
28     //added ! to the end
29     strcat(userPassword, "!");
30
31     //printing result
32     printf("Your updated password: %s",userPassword);
33     return 0;
34 }

```

Problem 2 Sample Input and Output:

```

abcdefghijklmnopqrstuvwxyz
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz04
$ ./password
Please enter your password for improvement: mypassword
Your new password is Myp@$$word!
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz04
$ ./password
Please enter your password for improvement: Bambis
Your new password is 8@Mb1$!

```