Q.1 Write a Program to check if a given password is strong or not by satisfying the below criteria:
- Password must contain at least one letter, one digit & one special symbol.
- Password must be at least 6 characters.
For example,
Input:
Create your password: Admin@123

Output:
Your password is Strong.

For example,
Input:
Create your password: hello#89

Output:
Your password is not Strong.

Ans:

```c
// Online C compiler to run C program online
#include<stdio.h>
#include<string.h>
int main() {
    char password[200];
    int hasLetter=0;
    int hasDigit=0;
    int hasSpecial=0;
    printf("Create your password:");
    scanf("%s",password);
    int length=strlen(password);

if (length<6){
    printf("the password is not strong.\n");
    return 0;
}
for (int i=0;i<length;i++){
    if ((password[i]>=65 && password[i]<=90)||
        (password[i]>=97 && password[i]<=122)){
            hasLetter=1;
}else if(password[i]>=48 && password[i]<=57){
    hasDigit=1;
}else if(password[i]==64){
```

```c
        hasSpecial=1;
    }
}
if(hasLetter==1 && hasDigit==1 && hasSpecial==1){
    printf("the password is strong.\n");
}else{
    printf("the password is not strong.\n");
}
return 0;
}
```

o/p:

Create your password:Admin@123
the password is strong.

=== Code Execution Successful ===

Q.2 Write a Program to create a login mechanism by entering the right email & password. You can compare it with your desired email & password.
For example,
Input:
Enter your email: admin@gmail.com
Enter your password: 123456

Output:
Login Successful...

For example,
Input:
Enter your email: xyz@gmail.com
Enter your password: 123456

Output:
Login Failed. Invalid Credentials.

Ans:
```c
// Online C compiler to run C program online
#include <stdio.h>
#include <string.h>
```

```c
int main() {
    char storedEmail[] = "admin@gmail.com";
    char storedPassword[] = "123456";
 char email[50];
    char password[20];
    printf("Enter your email: ");
    scanf("%s", email);

   printf("Enter your password: ");
    scanf("%s", password);

 if (strcmp(email, storedEmail) == 0 && strcmp(password, storedPassword) == 0) {
        printf("Login Successful....\n");
    } else {
        printf("Login failed\n");
    }

return 0;
}
```

Enter your email: admin@gmail.com
Enter your password: 123456
Login Successful....

=== Code Execution Successful ===