# LS Project

## Command Line Test

1.print 3 options for user
    1.sign up
    2.sign in
    3.Exit

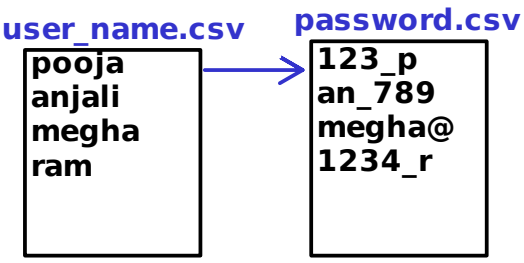
**1.sign up:**

1.read user name
2.store all user names from user_name.csv file --> user_arr=(`cat user.csv`)
3.check user_name = user_arr[i]
    if matches-> print error. then again ask
                user name.
    if no->store user name in user_name.csv file --> echo $user_name >> user_name.csv
for password and conf. password
4.check both passwords are matching or not.
  if yes->then print

sign-up successfully

then again print that 3 options--> 1.sign up
so that user can select sign in 2.sign in
option. 3.exit

if no matches-> ask for password again.




**2.sign in:**

1.read user name
2.check with user names store in file
    if [ user_name = user_arr[i] ]
-> if no matches: then ask for user name again.
    store all previous passwords in arr
-> matches: then ask for password --> password_arr=(`cat password.csv`)
3.check i'th index password is matching with --> -s(option to read in hidden mode).
    entered password or not.
-->not matching then print error, ask for user
    name again.
--> matches then print

sign in successfully

then conduct the test.

**3.Exit:**

in this part give a command--> Exit
    that will terminate the process.

**Test Conduction:**

**once the sign in process is complete then ,**

**create a file for storing some 10 questions, one for correct answers, and onther for storing the user entered answers.**

**question.csv**

```
1.what is the command for read?
a)echo
b)read
c)ls
d)cat
2.what is the command for print?
a)ls
b)read
c)echo
d)cat
```

**correct_ans.csv**

```
a
b
c
a
d
b
a
c
```

**user_ans.csv**

```
a
b
c
```

**once you print sign in successfull, print 2 options for user**

**1.Take the test**
**2.exit**

**1.Take the test:**

**1.print first question on the screen from file**
**use loop to print one by one.**
**2.after printing que. run a loop to read answer**
**from the user in 10 sec.**
**3.read in -t 1 for setting timer.**
**4.then check condition whether user has entered**
**any input or not.**
**-> if yes then break the loop**
**-> no then store "e" in option**
**then store the option in user_ans.csv file one by one.**
**5.after reading user answer for 10 questions,**
**then evaluate:**
**print first question then**
**by comparing user_ans and correct_ans**
**by storing those two file content into two arrays.**
**if both will match--> print**

```
for i in 5 5 50
do
        head -i file | tail -5
        for j in `10 -1 1`
        do
                read -t 1 option
        done
done
```

**correct answer**

**and count for correct answers**
**if option is "e" then print**

**Timed out**

**if no matches then print**

**Wrong answer**

**Like that print each question again with the result.**
**--> at Last print the obtained marks**

**obt.marks/total marks**

**Sample result:**

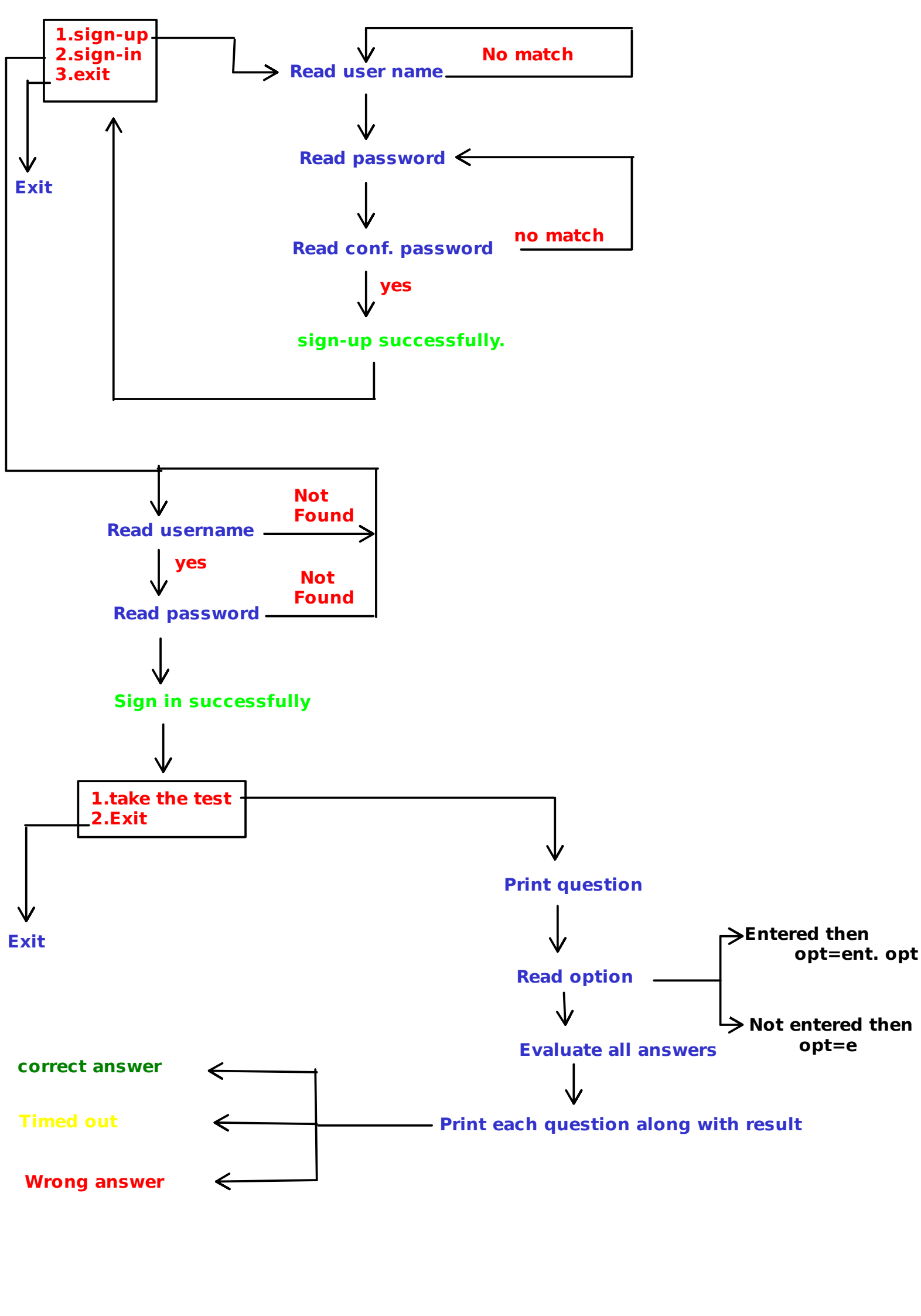
**1.what is the command for read?**
**a)echo**
**b)read**
**c)ls**
**d)cat**

**Correct Answer**

**2.what is the command for print?**
**a)ls**
**b)read**
**c)echo**
**d)cat**

**Wrong Answer**

**Total morks obtained: 8/10**


1.sign-up
2.sign-in
3.exit
Exit
Read user name
No match
Read password
Read conf. password
no match
yes
sign-up successfully.
Read username
Not Found
yes
Read password
Not Found
Sign in successfully
1.take the test
2.Exit
Exit
Print question
Read option
Entered then opt=ent. opt
Not entered then opt=e
Evaluate all answers
correct answer
Timed out
Wrong answer
Print each question along with result