

Shell Project



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To: Dr. Khader Mohammed & Dr. Aseel Awwad

Introduction :

As a solution to this project, I came up with two ways (solutions) to solve it. The first is based on reading the input from a file as required in the project, and the second is based on reading the inputs from the user.

The first solution deals with an array of strings, that it is has being read from the file called ***word.txt***, then we split it based of the delimiter (space), then we access each password as an element of the array to check all the requirements to be a valid password, then to print it on the output text file ***valid.txt***. And to be more dynamic I added a an if statement if the user needs to quit inputting or if he wants to continue the procedure.

The second solution deals with number of strings, each alone. The program read the input (password) from the user and makes the checking process individually, if it corresponds with all the requirements written in the project sheet, we get a success message then the password added will be printed out to ***valid.txt***, if not, we get that that password does not match with our requirements.

- The code is attached as .text file in the .rar sent.

Sample of output → First solution :

```
abdallah@abdallah-VirtualBox:~/pro$ ./one
The passwords exit in the file you added are:
sdaF4#@dA maaan dfsH$3sdf
the first password is
sdaF4#@dA
the number of characters in first passwords is :
9
sdaF4#@dA
Password succeeded, see valid.txt
please enter yes if you want to continue, or no to stop!
yes
the second password is
maaan
the number of characters in second passwords is :
5
your password is not greater or equal to 6 characters
please enter yes if you want to continue, or no to stop!
yes
the third password is
dfsH$3sdf
the number of characters in third passwords is :
9
dfsH$3sdf
Password succeeded, see valid.txt
abdallah@abdallah-VirtualBox:~/pro$ cat valid.txt

sdaF4#@dA
dfsH$3sdf
```

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```
abdallah@abdallah-VirtualBox:~/pro$ cat valid.txt

abdallah@abdallah-VirtualBox:~/pro$ ./one
The passwords exit in the file you added are:
sdaF4#@dA maaan dfsH$3sdf
the first password is
sdaF4#@dA
the number of characters in first passwords is :
9
sdaF4#@dA
Password succeeded, see valid.txt
please enter yes if you want to continue, or no to stop!
yes
the second password is
maaan
the number of characters in second passwords is :
5
your password is not greater or equal to 6 characters
please enter yes if you want to continue, or no to stop!
no
abdallah@abdallah-VirtualBox:~/pro$ cat valid.txt

sdaF4#@dA
abdallah@abdallah-VirtualBox:~/pro$
```

Sample of output → Second solution:

```
abdallah@abdallah-VirtualBox:~/pro$ cat valid.txt

abdallah@abdallah-VirtualBox:~/pro$ ./two
enter you first password
manss4#Fg
manss4#Fg
Password succeeded, see valid.txt
enter you first password
abdallah
There are no numbers in you password
abdallah@abdallah-VirtualBox:~/pro$ cat valid.txt

manss4#Fg
```