Uc-1-As a User need to enter a valid First Name

---First name starts with Cap and has minimum 3 characters

```bash
#!/bin/bash -x

read -p "Enter user name :" name
pattern="(^[A-Z]{1}+)[a-z]{2}$"

if [[ $name =~ $pattern ]]
then
        echo true;
else
        echo non-valid
fi
```

```
prudhvi@PrudhviReddy:/mnt/e/Bridgelab
/Day14/usrreg$ ./uc-1.sh
+ read -p 'Enter user name :' name
Enter user name :Pru
+ pattern='(^[A-Z]{1}+)[a-z]{2}$'
+ [[ Pru =~ (^[A-Z]{1}+)[a-z]{2}$ ]]
+ echo true
true
```

uc-2-As a User need to enter a valid Last Name

Last name starts with Cap and has minimum 3 characters

```bash
#!/bin/bash -x

read -p "Enter last name :" name
pattern="(^[A-Z]{1}+)[a-z]{2}$"

if [[ $name =~ $pattern ]]
then
        echo valid;
else
        echo non-valid
fi
```

```
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./uc-2.sh
+ read -p 'Enter last name :' name
Enter last name :Red
+ pattern='(^[A-Z]{1}+)[a-z]{2}$'
+ [[ Red =~ (^[A-Z]{1}+)[a-z]{2}$ ]]
+ echo valid
valid
```

Uc-3-As a User need to enter a valid email

Ex:-abc.xyz@bl.co.in

```bash
#!/bin/bash -x

read -p "Enter Email-id :" name
pattern="(^[a-z\.]{3,}+)@([a-z\.]{2,})$"

if [[ $name =~ $pattern ]]
then
        echo valid;
else
        echo non-valid
fi
```

```
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./uc-3.sh
+ read -p 'Enter Email-id :' name
Enter Email-id :abc.xyz@bl.co.in
+ pattern='(^[a-z\.]{3,}+)@([a-z\.]{2,})$'
+ [[ abc.xyz@bl.co.in =~ (^[a-z\.]{3,}+)@([a-z\.]{2,})$ ]]
+ echo valid
valid
```

As a User need to follow pre-defined Mobile Format

Ex; - 91 9919819801

```bash
#!/bin/bash -x

read -p "Enter Email-id :" name
pattern="(^[1-9]{2}+)\s([0-9]{10})$"

if [[ $name =~ $pattern ]]
then
        echo valid;
else
        echo non-valid
fi
```

```
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./uc-4.sh
+ read -p 'Enter Email-id :' name
Enter Email-id :91 7306376512
+ pattern='(^[1-9]{2}+)\s([0-9]{10})$'
+ [[ 91 7306376512 =~ (^[1-9]{2}+)\s([0-9]{10})$ ]]
+ echo valid
valid
```

As a User need to follow pre-defined Password rules.
Rule1 – minimum 8 Characters

```
+ echo minimum 8 characters required
minimum 8 characters required
+ read -p 'Enter password :' pwd
Enter password :Pr@1612-
+ pattern='^([a-zA-Z0-9\@\#$\&\-]{8,})$'
+ [[ Pr@1612- =~ ^([a-zA-Z0-9\@\#$\&\-]{8,})$ ]]
+ echo Password Accepted
Password Accepted
```

```bash
#!/bin/bash -x
echo minimum 8 characters required
read -p "Enter password :" pwd
#minimum 8 characters required.
pattern="^([a-zA-Z0-9\@\#\$\&\-]{8,})$"

if [[ $pwd =~ $pattern ]]
then
        echo Password Accepted
else
        echo Password needs minimum 8 characters
fi
```

Rule2 – Should have at least 1 Upper Case
Rule3 – Should have at least 1 numeric number in the password
Rule4 – Has exactly 1 Special Character

```bash
#!/bin/bash
echo minimum 8 characters required
echo should have atleast one uppercase
read -p "Enter password :" pwd
#minimum 8 characters required.

if [[ $pwd == *[0-9]*  && $pwd == *[A-Z]* && $pwd == *[a-z]* && $pwd == *[\.\*\@\-]* ]]
then
        echo Password Accepted
else
        echo invalid Password
fi
```

```
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./passwdrules.sh
minimum 8 characters required
should have atleast one uppercase
Enter password :bkjhs
invalid Password
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./passwdrules.sh
minimum 8 characters required
should have atleast one uppercase
Enter password :HDKLJSH
invalid Password
prudhvi@PrudhviReddy:/mnt/e/Bridgelabz/Assignments/Day14/usrreg$ ./passwdrules.sh
minimum 8 characters required
should have atleast one uppercase
Enter password :pRUdhVi@16.
Password Accepted
```