Assignment-6
Loops

Use Case : Create a script for printing date ‘mm-dd-yy’ for the first 10 days in a month.

With Argument Accepting

```
bhushan@ubuntu:~/Hardsoft$ ./while_date3.sh 01-Feb-2020 10-Feb-2020
02/01/2020
02/02/2020
02/03/2020
02/04/2020
02/05/2020
02/06/2020
02/07/2020
02/08/2020
02/09/2020
02/10/2020
bhushan@ubuntu:~/Hardsoft$ cat -n while_date3.sh
     1  #!/bin/bash
     2  S=$1
     3  E=$2
     4  START=$(date -d $S +%s )
     5  END=$(date -d $E +%s )
     6  i=$START
     7  while((i<=END))
     8  do
     9      date -d @$i +%m/%d/%Y
    10      i=$(($i+86400))
    11  done
```

Without Argument Accepting

```
bhushan@ubuntu:~/Hardsoft$ cat while_date1.sh
#!/bin/bash
#START=$(date -d 1-Feb-2010 +%s )
#END=$(date -d 15-Feb-2010 +%s )
#for((i=START; i<=END; i+=86400))
#do
#    date -d @$i +%d/%m/%Y
#done

#!/bin/bash
START=$(date -d 1-Feb-2010 +%s )
END=$(date -d 15-Feb-2010 +%s )
i=$START
while((i<=END))
do
    date -d @$i +%m/%d/%Y
    i=$(($i+86400))
done
bhushan@ubuntu:~/Hardsoft$ ./while_date1.sh
02/01/2010
02/02/2010
02/03/2010
02/04/2010
02/05/2010
02/06/2010
02/07/2010
02/08/2010
02/09/2010
02/10/2010
02/11/2010
02/12/2010
02/13/2010
02/14/2010
02/15/2010
```

Decision Making statements in Shell Scripts

Use Case 1: Create user case for String equality.

```
bhushan@ubuntu:~/Hardsoft$ cat str_equality.sh
#!/bin/bash
read -p "Enter your name:" name
if [[ $name ==  "Bhushan" ]];
then
        echo "Inputted name is same!"
else
        echo "Inputted name is not same!"
fi
bhushan@ubuntu:~/Hardsoft$ ./str_equality.sh
Enter your name:Ashish
Inputted name is not same!
bhushan@ubuntu:~/Hardsoft$ ./str_equality.sh
Enter your name:Bhushan
Inputted name is same!
bhushan@ubuntu:~/Hardsoft$
```

Use Case 2: Create use case for Logical [And or] operator.

```
bhushan@ubuntu:~/Hardsoft$ cat str_equality1.sh
#!/bin/bash
read -p "Enter Your USername:" uname
read -p "Enter Your PAssword:" -s passw
if [[ $uname == "Admin" && $passw == "Admin@321" ]]
then
        echo
        echo "Login Successful! Enjoy Madi di!"
else
        echo "Please Try again!"
fi
bhushan@ubuntu:~/Hardsoft$ ./str_equality1.sh
Enter Your USername:AShish
Enter Your PAssword:Please Try again!
bhushan@ubuntu:~/Hardsoft$ ./str_equality1.sh
Enter Your USername:Admin
Enter Your PAssword:
Login Successful! Enjoy Madi di!
bhushan@ubuntu:~/Hardsoft$
```

Logical OR Operation

```
bhushan@ubuntu:~/MyScripting/Basic/Logical$ cat LogAnd.sh
#!/bin/bash
read -p "Enter First Value:" n1
read -p "Enter Second Value:" n2
if((($n1<10)||($n2>20)))
then
        echo "Atleast one condition is true"
else
        echo "Both Conditions are failed"
fi

bhushan@ubuntu:~/MyScripting/Basic/Logical$ ./LogAnd.sh
Enter First Value:20
Enter Second Value:40
Atleast one condition is true
bhushan@ubuntu:~/MyScripting/Basic/Logical$
```

Use Case 3: Create a use case with elif condition

```
bhushan@ubuntu:~/MyScripting/Basic/Conditional$ cat Ifelseladder.sh
#!/bin/bash
read -p "Enter the value of n:" n
if(($n>0))
then
        echo "a is positive number"
elif (($n<0))
then
        echo "b is negative number"
else
        echo "n is Zero"
fi


bhushan@ubuntu:~/MyScripting/Basic/Conditional$ ./Ifelseladder.sh
Enter the value of n:0
n is Zero
bhushan@ubuntu:~/MyScripting/Basic/Conditional$ ./Ifelseladder.sh
Enter the value of n:34
a is positive number
bhushan@ubuntu:~/MyScripting/Basic/Conditional$ ./Ifelseladder.sh
Enter the value of n:-8
b is negative number
bhushan@ubuntu:~/MyScripting/Basic/Conditional$
```