CEGEP VANIER COLLEGE
CENTRE FOR CONTINUING EDUCATION
Introduction to Linux
420-995-VA

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Lab Review 7: Continue- Shell Programming

1. Create a Shell program Program3 that uses looping with *For* as in Figure 1.

```
samir@linux-ces1:~/Review/Review7> cat Program3

for USERS in john ellen tom becky eli jill
do
   echo  $USERS
done
samir@linux-ces1:~/Review/Review7> sh Program3
john
ellen
tom
becky
eli
jill
```
Figure 1

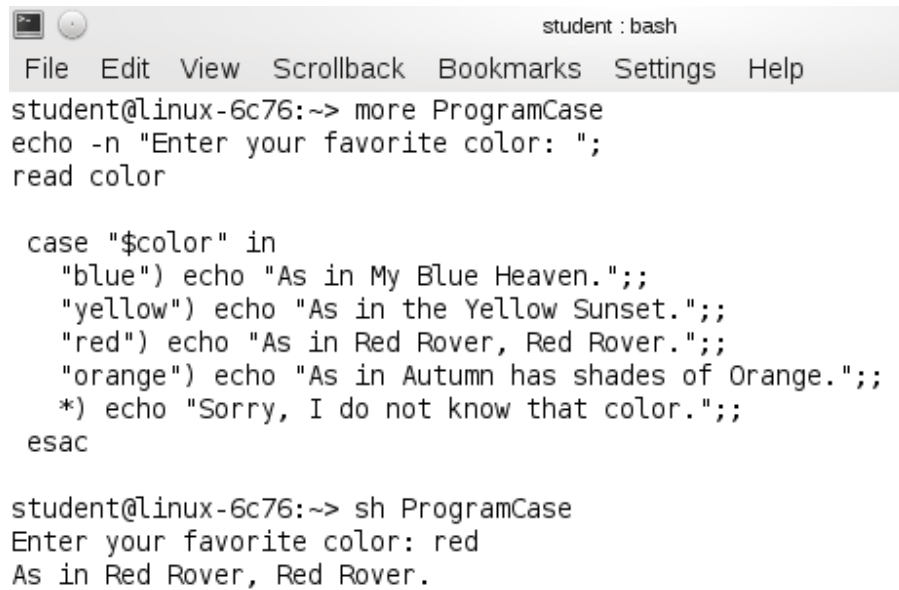2. Create a Shell program Program4 that uses looping with *While* in Figure 2

```
samir@linux-ces1:~/Review/Review7> cat Program4

echo -n "Try to guess my favourite color "
read guess

while  [ "$guess" != "red" ]; do
  echo  "No, not that one. Try again."; read guess
     if [ "$guess" = "red" ]
     then
        echo  "It is the exact color"
     fi
done
samir@linux-ces1:~/Review/Review7> sh Program4
Try to guess my favourite color bleu
No, not that one. Try again.
green
No, not that one. Try again.
red
It is the exact color
```
Figure 2

3. Create a Shell program Program5 that uses the case for multiple choices as in Figure 3.

```
                                              student : bash
File   Edit   View   Scrollback   Bookmarks   Settings   Help
student@linux-6c76:~> more ProgramCase
echo -n "Enter your favorite color: ";
read color

 case "$color" in
    "blue") echo "As in My Blue Heaven.";;
    "yellow") echo "As in the Yellow Sunset.";;
    "red") echo "As in Red Rover, Red Rover.";;
    "orange") echo "As in Autumn has shades of Orange.";;
    *) echo "Sorry, I do not know that color.";;
 esac

student@linux-6c76:~> sh ProgramCase
Enter your favorite color: red
As in Red Rover, Red Rover.
```
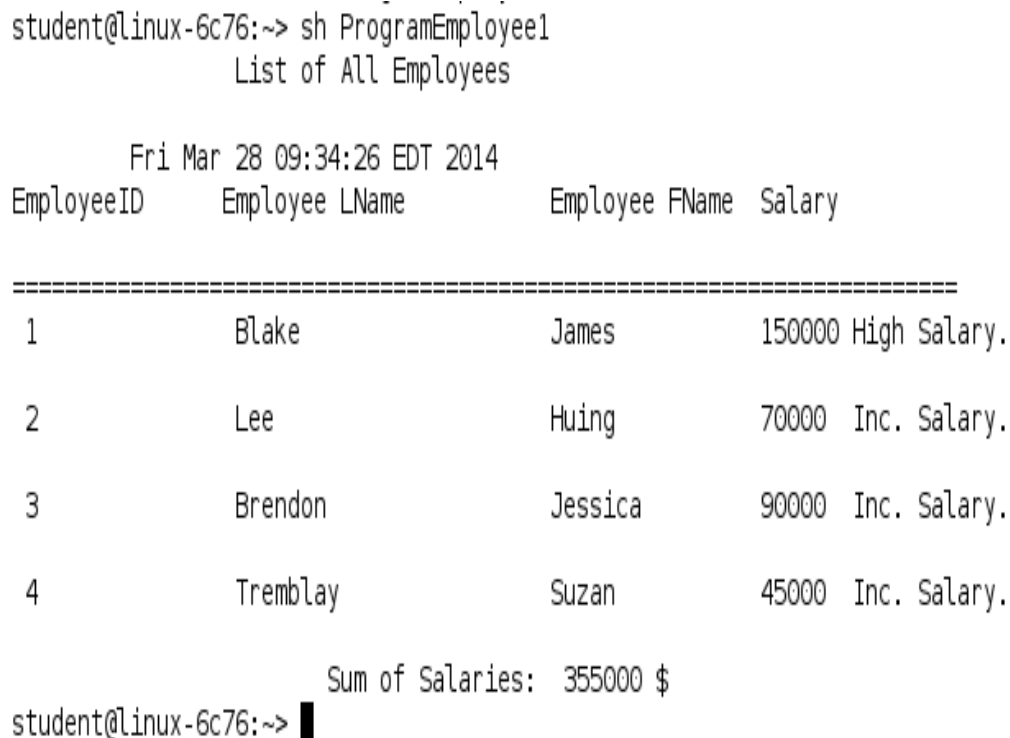   Figure 3

4. Create a Shell program *ProgramEmployeeReport* that uses the control structure if in Figure 4.

   if Salary >100000 display the message "High Salary"
   if Salary <100000 display the message "Inc. Salary"

```
student@linux-6c76:~> sh ProgramEmployee1
              List of All Employees


       Fri Mar 28 09:34:26 EDT 2014
EmployeeID      Employee LName          Employee FName  Salary


=========================================================================
  1             Blake                   James           150000 High Salary.

  2             Lee                     Huing           70000  Inc. Salary.

  3             Brendon                 Jessica         90000  Inc. Salary.

  4             Tremblay                Suzan           45000  Inc. Salary.

          Sum of Salaries:  355000 $
student@linux-6c76:~> █
```