```
#!/usr/bin/bash
# 1. Write a script called mycase, using the case utility to checks the
type of character
# entered by a user:
# a. Upper Case.
# b. Lower Case.
# c. Number.
# d. Nothing.

# echo Enter Input :
# read var
# case $var in
# [a-z] ) echo "lower case" ;;
# [A-Z] ) echo "upper case" ;;
# [0-9] ) echo "integer" ;;
# *) echo "nothing"
# esac


# 2. Enhanced the previous script, by checking the type of string entered
by a user:
# a. Upper Cases.
# b. Lower Cases.
# c. Numbers.
# d. Mix.
# e. Nothing.


echo Enter Input :
read var
case $var in
[[:lower:]]* ) echo "lower case"  ;;
[[:upper:]]* ) echo "upper case" ;;
[0-9]* )       echo "integer" ;;
*)            echo "nothing" ;;
esac

#!/usr/bin/bash
# echo Enter your Login name :
# read name

# logname=`grep $name /etc/passwd | grep $name`
# echo $logname
# if [ -z $logname ]
# then
#     echo invalid logname
# else
# home=`grep $logname /etc/passwd | cut -f6 -d:`
# echo $home
# fi
# ls -l $home
# cp -r $home/* /tmp
# ps -u $logname
```

```
# 3. Write a script called mychmod using for utility to give execute
permission to all files and
# directories in your home directory.

# 4. Write a script called mybackup using for utility to create a backup
of only files in your
# home directory.

# 5. Write a script called mymail using for utility to send a mail to all
users in the system.
# Note: write the mail body in a file called mtemplate.

# 6. Write a script called chkmail to check for new mails every 10
seconds. Note: mails are
# saved in /var/mail/username.

# Bonus:
# Open a talk session to a certain user when she/he logs into the system.

# 7. What is the output of the following script
# typeset –i n1
# typeset –i n2
# n1=1
# n2=1
# while test $n1 –eq $n2
# do
# n2=$n2+1
# print $n1
# if [ $n1 –gt $n2 ]
# then
# break
# else
# continue
# fi
# n1=$n1+1
# print $n2
# done

# 8. Create the following menu:
# a. Press 1 to ls
# b. Press 2 to ls –a
# c. Press 3 to exit
# Using select utility then while utility.

# 9. Write a script called myarr that ask a user how many elements he
wants to enter in an
# array, fill the array and then print it.

# 10.Write a script called myavg that calculate average of all numbers
entered by a user.
# Note: use arrays
```

```
# 11.Write a function called mysq that calculate square if its argument.

#
################################################################################
###############
# lec3
#!/usr/bin/bash
echo enter your character :
read name
echo $name
logname=`grep $name /etc/passwd | cut -f1 -d:`
echo $logname
if [ -z $logname ]
then
        echo invalid logname
else
        home=`grep $logname /etc/passwd | cut -f6 -d:`
        echo $home
fi
ls -l $home
cp -r $home/* /tmp/dir
echo $logname
ps -u $logname
#
################################################################################
###############
# ll
#!/usr/bin/bash
# 1. Write a script called mycase, using the case utility to checks the
type of character
# entered by a user:
# a. Upper Case.
# b. Lower Case.
# c. Number.
# d. Nothing.
echo Enter Input :
read var
case $var in
[a-z] ) echo "lower case" ;;
[A-Z] ) echo "upper case" ;;
[0-9] ) echo "integer" ;;
*) echo "nothing"
esac

#
################################################################################
###############

#
################################################################################
###############
#
```

```
#
################################################################################
###############
# tt
#!/usr/bin/bash
echo enter your character :
read name
echo $name
logname=`grep -u $name /etc/passwd | cut -f1 -d:`
echo $logname
if [ -z $logname ]
then
        echo invalid logname
else
        home=`grep  $logname /etc/passwd | cut -f6 -d:`
        echo $home
        ls -l $home
        cp -r $home/* /tmp/dir
        echo $logname
        ps -u $logname
fi

#
################################################################################
###############
# ttt
#!/usr/bin/bash
# 1. Write a script called mycase, using the case utility to checks the
type of character
# entered by a user:
# a. Upper Case.
# b. Lower Case.
# c. Number.
# d. Nothing.
echo Enter Input :
read var
case $var in
[a-z] ) echo "lower case" ;;
[A-Z] ) echo "upper case" ;;
[0-9] ) echo "integer" ;;
*) echo "nothing"
esac
#
################################################################################
###############
#

#
################################################################################
###############
#
```

#
##
###############