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| **Course Code :** INT 301 **Course Title :** Open source Technology |
| **Course Instructor :** Cherry Khosla |
| **Academic Task No. :** CA 3 **Academic Task Title :** Shell scripting |
| **Date of Allotment :** 20/08/17 **Date of submission :** 06/11/17 |
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**Learning Outcomes**: This is a project based on Shell scripting and I came to understand the “who” command

And checking for the user login time and their presence.

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**Declaration:**

I declare that this Assignment is my individual work. I have not copied it from any other student’s work or from any other source except where due acknowledgement is made explicitly in the text, nor has any part been written for me by any other person.

**Student’s Signature:**

**Evaluator’s comments (For Instructor’s use only)**

**General Observations Suggestions for Improvement Best part of assignment**

Evaluator’s Signature and Date

**Create a Shell Script that checks each minute and reports on who logs in and who logs out**

echo "Enter username:\c"

read logname

grep "$logname" /etc/passwd > /dev/null

if [ $? -eq 0 ]

then

echo "wait..."

else

echo "user not found."

fi

time=0

while true

do

who | grep "$logname" > /dev/null

if [ $? -eq 0 ]

then

echo "$logname has logged in."

if [ $time -ne 0 ]

then

if [ $time -gt 60 ]

then

min=`expr $time / 60`

sec=`expr $time % 60`

echo "$logname was v$min minutes and $sec secounds late in logging in."

else

sec=$time

echo "$logname was $sec secounds late in logging in."

fi

fi

exit

else

time= `expr $time + 1`

sleep 1

fi

done