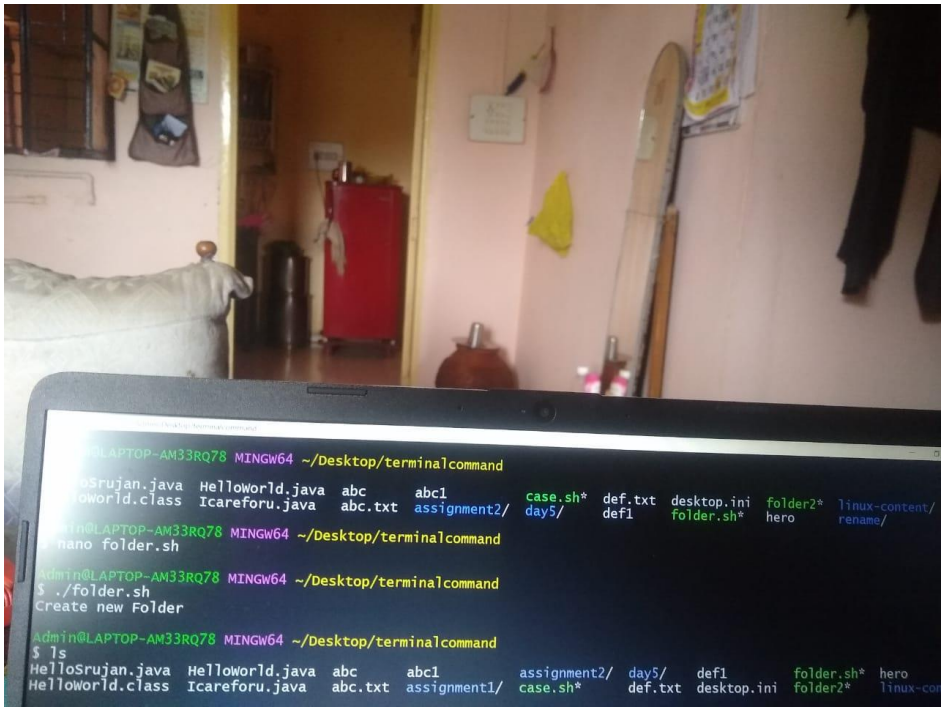
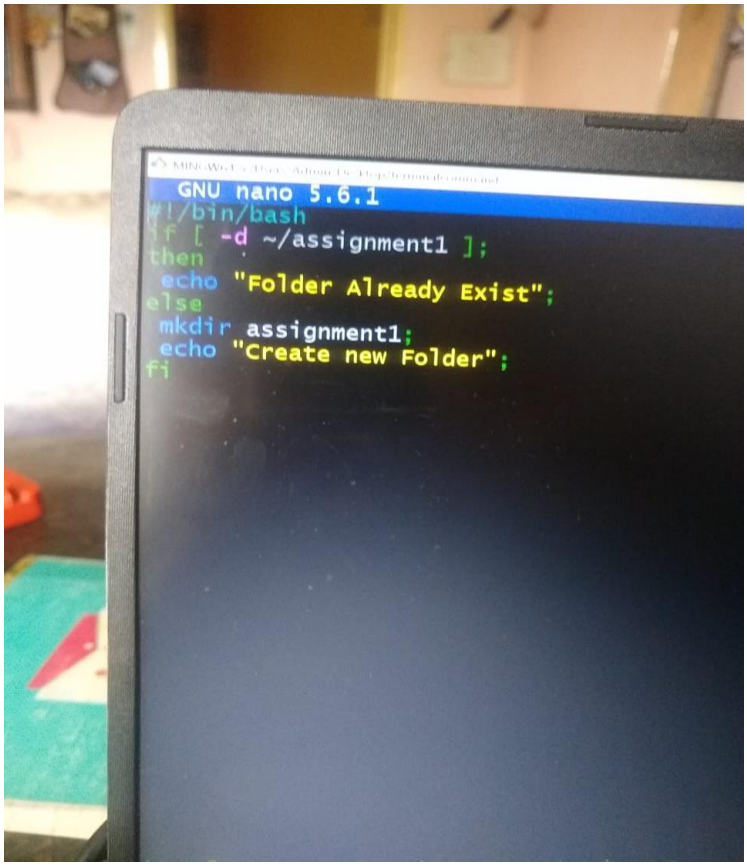
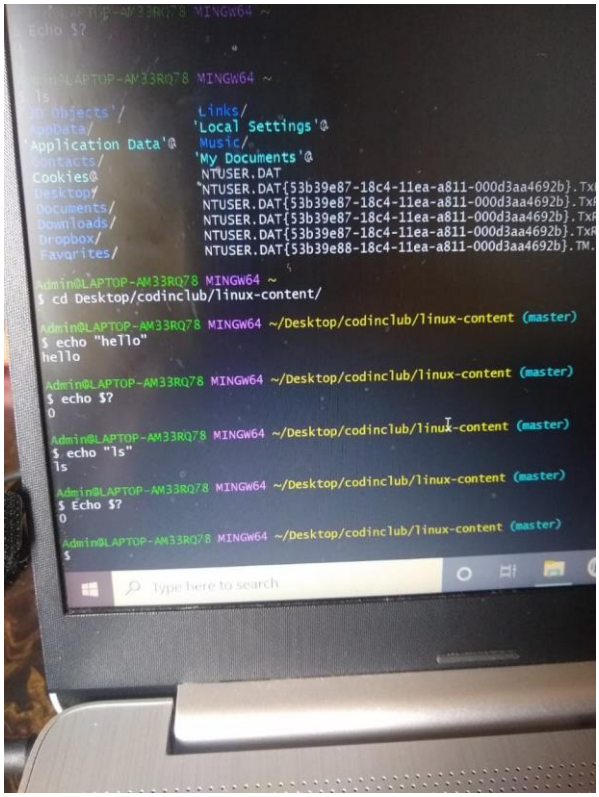
✓ ASSIGNMENT DAY3

Que 1). Check if a folder exists or not. If it's not present, create it.

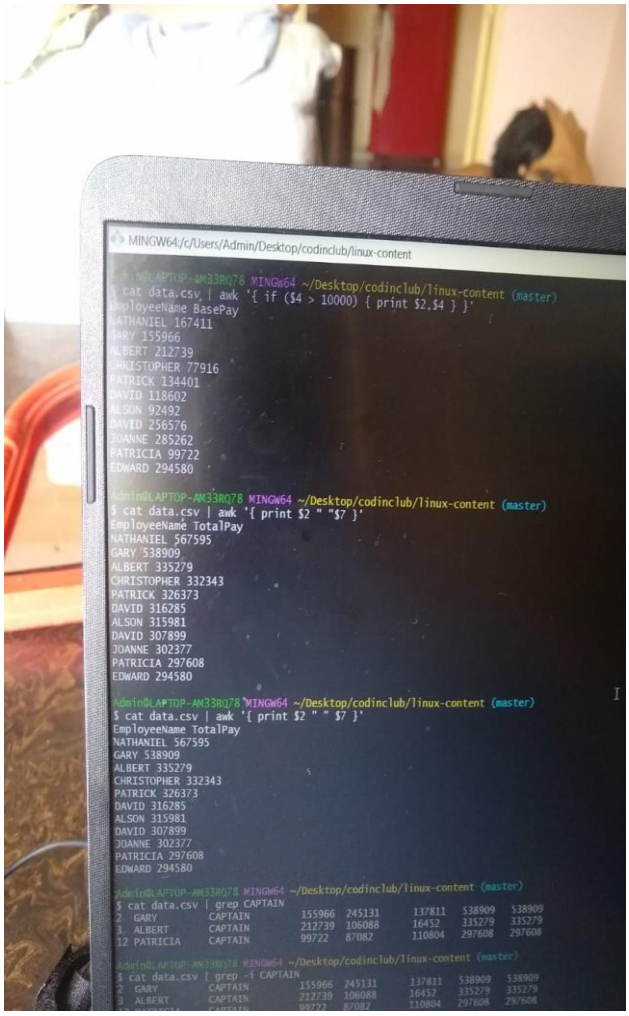


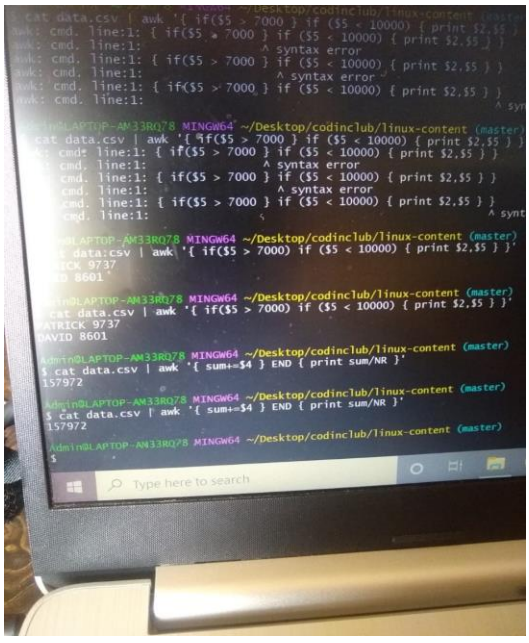


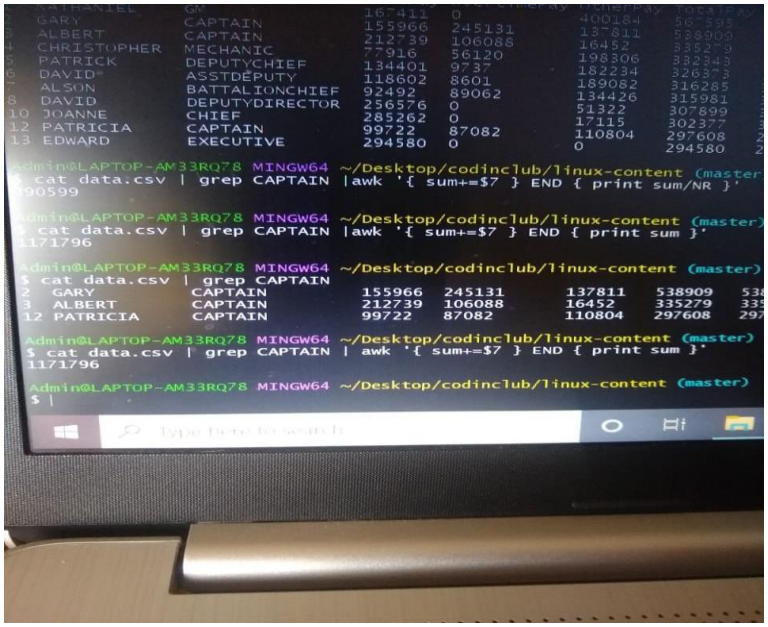
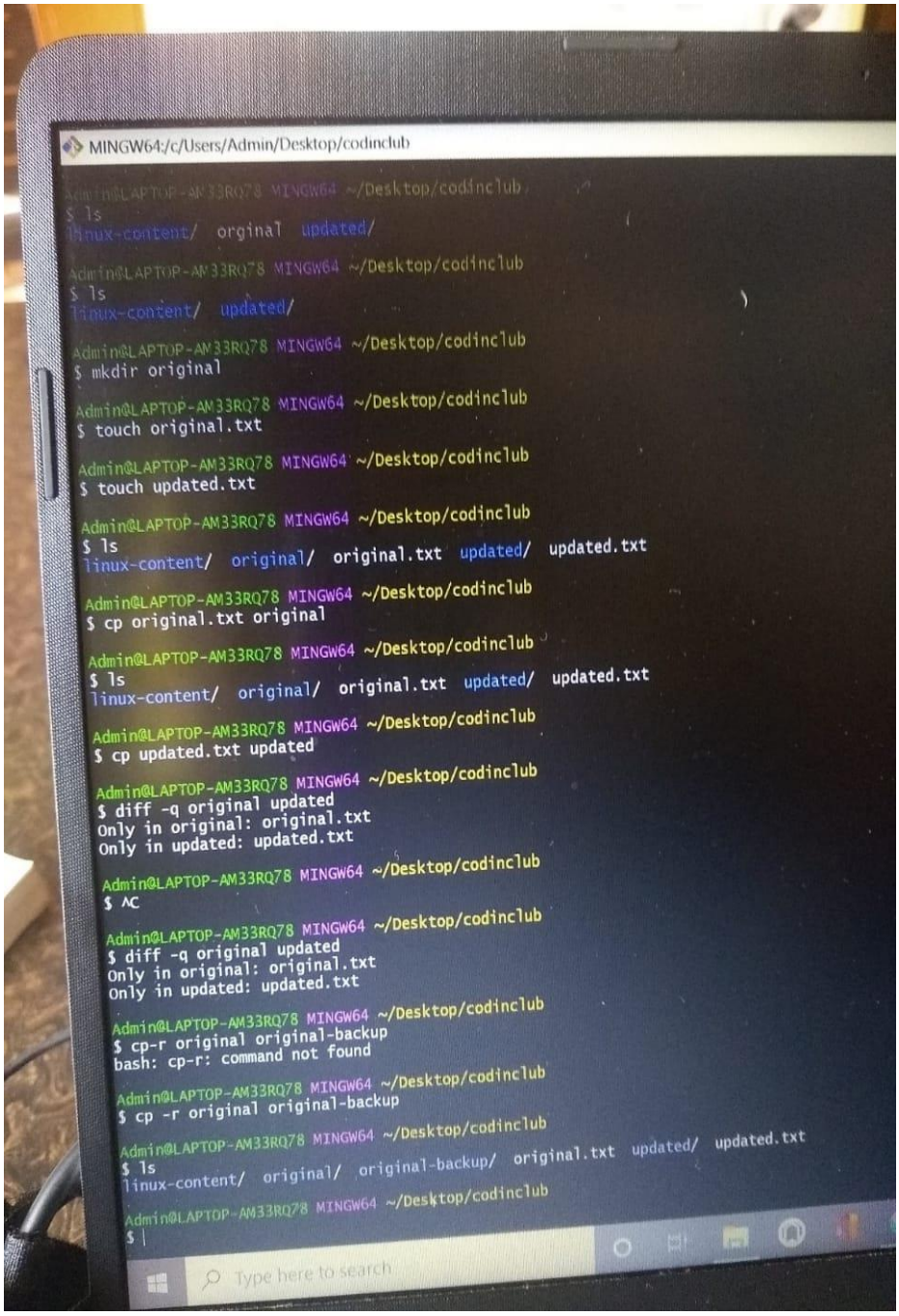
Que 2). Execute command "hello" and "Is" and check its execution status and print whether command executed successful or not.



Que 3). Data analysis / manipulation (Awk).


MINGW64:/c/Users/Admin/Desktop/codinclub/linux-content
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ if ($4 > 10000) { print $2,$4 } }'
EmployeeName BasePay
NATHANIEL 167411
GARY 155966
ALBERT 212739
CHRISTOPHER 77916
PATRICK 134401
DAVID 118602
ALSON 92492
DAVID 256576
JOANNE 285262
PATRICIA 99722
EDWARD 294580
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ print $2 " "$7 }'
EmployeeName TotalPay
NATHANIEL 567595
GARY 538909
ALBERT 335279
CHRISTOPHER 332343
PATRICK 326373
DAVID 316285
ALSON 315981
DAVID 307899
JOANNE 302377
PATRICIA 297608
EDWARD 294580
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ print $2 " " $7 }'
EmployeeName TotalPay
NATHANIEL 567595
GARY 538909
ALBERT 335279
CHRISTOPHER 332343
PATRICK 326373
DAVID 316285
ALSON 315981
DAVID 307899
JOANNE 302377
PATRICIA 297608
EDWARD 294580
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep CAPTAIN
2 GARY CAPTAIN 155966 245131 137811 538909 538909
3 ALBERT CAPTAIN 212739 106088 16452 335279 335279
12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep -i CAPTAIN
2 GARY CAPTAIN 155966 245131 137811 538909 538909
3 ALBERT CAPTAIN 212739 106088 16452 335279 335279


awk: cmd. line:1: { if($5 > 7000 } if ($5 < 10000) { print $2,$5 } }
awk: cmd. line:1: ^ syntax error
awk: cmd. line:1: { if($5 > 7000 } if ($5 < 10000) { print $2,$5 } }
awk: cmd. line:1: ^ syntax error
awk: cmd. line:1: { if($5 > 7000 } if ($5 < 10000) { print $2,$5 } }
awk: cmd. line:1: ^ syntax error
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ if($5 > 7000) if ($5 < 10000) { print $2,$5 } }'
PATRICK 9737
DAVID 8601
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ if($5 > 7000) if ($5 < 10000) { print $2,$5 } }'
PATRICK 9737
DAVID 8601
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ sum+=$4 } END { print sum/NR }'
157972
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | awk '{ sum+=$4 } END { print sum/NR }'
157972
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$
Type here to search


GARY CAPTAIN 155966 245131 137811 538909
ALBERT CAPTAIN 212739 106088 16452 335279
CHRISTOPHER MECHANIC 77916 56120 198306 332343
PATRICK DEPUTYCHIEF 134401 9737 182234 326373
DAVID* ASSTDEPUTY 118602 8601 189082 316285
ALSON BATTALIONCHIEF 92492 89062 134426 315981
DAVID DEPUTYDIRECTOR 256576 0 51322 307899
JOANNE CHIEF 285262 0 17115 302377
PATRICIA CAPTAIN 99722 87082 110804 297608
EDWARD EXECUTIVE 294580 0 0 294580
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep CAPTAIN |awk '{ sum+=$7 } END { print sum/NR }'
90599
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep CAPTAIN |awk '{ sum+=$7 } END { print sum }'
1171796
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep CAPTAIN
2 GARY CAPTAIN 155966 245131 137811 538909
3 ALBERT CAPTAIN 212739 106088 16452 335279
12 PATRICIA CAPTAIN 99722 87082 110804 297608
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$ cat data.csv | grep CAPTAIN | awk '{ sum+=$7 } END { print sum }'
1171796
Admin@LAPTOP-AM33RQ78 MINGW64 ~/Desktop/codinclub/linux-content (master)
$
Type here to search

Que 4). Find the difference between original file and the updated file. Apply changes to the original file.