### 第四十二次2020年11月16日-11月22日

#### 脚本:

#!/bin/bash

programPath=$1

programSuffix=$2

testFilePath=$3

testFileSuffix=$4

logPath=$5

mkHome=$6

programs=$(ls ${programPath}/\*.${programSuffix})

testFiles=$(ls ${testFilePath}/\*.${testFileSuffix})

testFileNum=$(ls ${testFilePath}/\*.${testFileSuffix} | wc -l)

declare -i count=0

title="instance "

for program in $programs

do

logFile=${program}.log

:> $logFile

for file in $testFiles

do

echo "===========================================" > $logFile

(/usr/bin/time -v $program ${file}) &>> $logFile

tempUserTime=$(sed -n "/User time (seconds):.\*/p" ${logFile} | sed "s/User time (seconds)://")

tempSysTime=$(sed -n "/System time (seconds):.\*/p" ${logFile} | sed "s/System time (seconds)://")

tempTimeArray[$count]=$(echo "$tempUserTime+$tempSysTime" | bc )

count=$count+1

echo $count

done

title=$title$(basename ${program})" "

done

csvFile=${logPath}/csv-data.csv

:> $csvFile

touch $csvFile

echo $title >> $csvFile

declare -i tempCountNum=1

declare -i i

maxTime=0

for i in $(seq 1 $testFileNum)

do

firstNum=${tempTimeArray[${tempCountNum}-1]}

secondNum=${tempTimeArray[${tempCountNum}+${testFileNum}-1]}

echo "instance$tempCountNum ${firstNum} ${secondNum}" >> $csvFile

tempCountNum=$tempCountNum+1

done