Jerrad Monagan

COP4640 Introduction to OS

Project 1

1/25/17

[n number redacted for privacy upload]

**Question 1**

cat passmark.txt | wc -l

**Question 2**

cat passmark.txt | cut -f 1 -d ':' | sort | uniq

**Question 3**

#! /bin/bash

NXeons=`grep 'Xeon' passmark.txt | wc -l`

NCores=`grep ':Core' passmark.txt | wc -l`

NPhenoms=`grep 'Phenom' passmark.txt | wc -l`

Opterons=`grep 'Opteron' passmark.txt | wc -l`

Athlons=`grep 'Athlon' passmark.txt | wc -l`

echo The number of Xeons found is: $NXeons

echo The number of Cores found is: $NCores

echo The number of Phenoms found is: $NPhenoms

echo The number of Opterons found is: $Opterons

echo The number of Athlons found is: $Athlons

**Question 4**

#! /bin/bash

min=`cat passmark.txt | cut -f 3 -d ':' | sort | head -n1`

echo The maximum PassMark score is $min

max=`cat passmark.txt | cut -f 3 -d ':' | sort | tail -n1`

echo The minimum PassMark score is $max

**Question 5**

#! /bin/bash

maxList=`cat passmark.txt | cut -f 3 -d ':' | sort | tail -n1`

echo The maximum PassMark score:

grep $maxList passmark.txt

minList=`cat passmark.txt | cut -f 3 -d ':' | sort | head -n1`

echo The minimum PassMark score:

grep $minList passmark.txt

**TEST SESSION**

[n@osprey cop4640]$ pwd

/home/60/n/cop4640

[n@osprey cop4640]$ cat passmark.txt | wc -l

50

[n@osprey cop4640]$ cat passmark.txt | cut -f 1 -d ':' | sort | uniq

AMD

Intel

[n@osprey cop4640]$ cat script3.sh

#! /bin/bash

NXeons=`grep 'Xeon' passmark.txt | wc -l`

NCores=`grep ':Core' passmark.txt | wc -l`

NPhenoms=`grep 'Phenom' passmark.txt | wc -l`

Opterons=`grep 'Opteron' passmark.txt | wc -l`

Athlons=`grep 'Athlon' passmark.txt | wc -l`

echo The number of Xeons found is: $NXeons

echo The number of Cores found is: $NCores

echo The number of Phenoms found is: $NPhenoms

echo The number of Opterons found is: $Opterons

echo The number of Athlons found is: $Athlons

[n@osprey cop4640]$ ./script3.sh

The number of Xeons found is: 8

The number of Cores found is: 29

The number of Phenoms found is: 4

The number of Opterons found is: 1

The number of Athlons found is: 2

[n@osprey cop4640]$ cat script4.sh

#! /bin/bash

min=`cat passmark.txt | cut -f 3 -d ':' | sort | head -n1`

echo The maximum PassMark score is $min

max=`cat passmark.txt | cut -f 3 -d ':' | sort | tail -n1`

echo The minimum PassMark score is $max

[n@osprey cop4640]$ ./script4.sh

The maximum PassMark score is 4203

The minimum PassMark score is 4440

[n@osprey cop4640]$ cat script5.sh

#! /bin/bash

maxList=`cat passmark.txt | cut -f 3 -d ':' | sort | tail -n1`

echo The maximum PassMark score:

grep $maxList passmark.txt

minList=`cat passmark.txt | cut -f 3 -d ':' | sort | head -n1`

echo The minimum PassMark score:

grep $minList passmark.txt

[n@osprey cop4640]$ ./script5.sh

The maximum PassMark score:

Intel:Xeon X5460 @ 3.16GHz:4440

The minimum PassMark score:

Intel:Core i5-4210M @ 2.60GHz :4203

Intel:Core i7-5650U @ 2.20GHz :4203