



AACS2284 - Practical Test

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Practical Test Submission

Course :	AACS2284 Operating Systems
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Programme of Study	DCS2
Tutorial Group	G5
Date & Time:	Saturday, 2 April 2022, 7:00 pm - 9:00 pm

Mark Summary

Question 1	
Question 2	
Question 3	
Question 4	
TOTAL	

QUESTION 1**(15 marks)**

a)	<code>tail -3 /etc/passwd</code>
b)	<code>mv /tmp/fileA~/my_fileB</code>
c)	<code>tar -xzf /root/salesreport.gz</code>
d)	<code>ls -d /filex/letter LETTER/*</code>
e)	<code>cd/home</code> <code>tar -cf homebackup.tar</code>
f)	<code>ls -la ~/</code>
g)	<code>cd /tmp/dirA/file1</code> <code>cat > hardlink</code>
h)	<code>find /home type f -name "AACS2284OS"</code>
i)	<code>sort -r attendance.txt > output.txt</code>
j)	Absolute : <code>/home/reporting/transaction/treport3.txt</code> Relative : <code>emily/treport1.txt</code>

QUESTION 2**(10 marks)**

a)	<code>sudo groupadd -g 3000 accounting</code>
b)	<code>sudo useradd -m -u 3333 -g accounting Emily</code>
c)	<code>sudo - Emily</code> <code>mkdir emily_dir1</code> <code>touch emily_file1</code> <code>chmod 660 emily_file1</code>
d)	<code>cd /home/emily/emily_dir1</code> <code>mkdir -p dirA/homework dirB/assignment</code>
e)	<code>chmod og=,u=- dirA/homework</code>
f)	<code>sudo -i</code> <code>ll /home/Emily/jack</code>

QUESTION 3**(18 marks)**

a)	fg 1
b)	ps -e
c)	sleep 20m ; myscript.sh
d)	nohup find /etc > listing.txt
e)	cat > MYVAR1
f)	unset MYVAR1
g)	crontab -e 30 8 * * 1-3 /media/USB1
h)	nice
i)	if[! -d \$1] then echo "The file content could not be displayed" else echo "myfile \$1 exists"
j)	at now + 3 weeks mkdir mybackupdir

QUESTION 4**(7 marks)**

```
#!/bin/bash
echo
"=====
echo "My Course Final Mark Page"
echo "-----"
echo -e "\n\n";
echo "Enter semester (e.g. 202201):"
read semester
echo "Enter course code (e.g. AACS2284):"
read courseCode
echo "Enter course name (e.g. Operating Systems):"
read courseName
echo "The formulae to compute total mark of a course is (coursework mark + final
examination mark)/2"
echo "Enter coursework mark in whole number (/100):"
read courseMark
echo "Enter final examination mark in whole number (/100):"
read examMark
totalMark='$courseMark + $examMark'
finalMark='$totalMark/2'
```

```
echo "The final mark of" "$courseCode $courseName" "(round down to whole number):" "$finalMark"
```

```
1 #!/bin/bash
2 echo "=====
3 echo "My Course Final Mark Page"
4 echo "-----"
5 echo -e "\n\n";
6 echo "Enter semester (e.g. 202201):"
7 read semester
8 echo "Enter course code (e.g. AACS2284):"
9 read courseCode
10 echo "Enter course name (e.g. Operating Systems):"
11 read courseName
12 echo "The formulae to compute total mark of a course is (coursework mark + final examination
    mark)/2"
13 echo "Enter coursework mark in whole number (/100):"
14 read courseMark
15 echo "Enter final examination mark in whole number (/100):"
16 read examMark
17 totalMark=$((courseMark + examMark))
18 finalMark=$((totalMark/2))
19 echo "The final mark of" "$courseCode $courseName" "(round down to whole number):" "$finalMark"
20
```

```
The final mark of (round down to whole number): $totalMark/2
ubuntu@ubuntu-VirtualBox:~/PS$ ./3
=====
My Course Final Mark Page
-----

Enter semester (e.g. 202201):
202201
Enter course code (e.g. AACS2284):
AACS2284
Enter course name (e.g. Operating Systems):
Operating Systems
The formulae to compute total mark of a course is (coursework mark + final examination mark)/2
Enter coursework mark in whole number (/100):
67
Enter final examination mark in whole number (/100):
73
The final mark of AACS2284 Operating Systems (round down to whole number): $totalMark/2
ubuntu@ubuntu-VirtualBox:~/PS$
```

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