A close-up of a logo

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**AACS2284 - Practical Test**

| **STUDENT’S DECLARATION OF ORIGINALITY**  By submitting this online assessment. I declare that this submitted work is free from all forms of plagiarism and for all intents and purposes is my own properly derived work. I understand that I have to bear the consequences if I fail to do so.  Practical Test Submission | |
| --- | --- |
| Course : | AACS2284 Operating Systems |
| Signature: | Tan |
| Name of Student: | Tan Kang Hong |
| Student ID: | 20WMD02959 |
| 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)

|  | **tail -3 /etc/passwd** |
| --- | --- |
|  | **mv /tmp/fileA~/my\_fileB** |
|  | **tar -xzf /root/salesreport.gz** |
|  | **ls -d /filex/letter LETTER/\*** |
|  | **cd/home**  **tar -cf homebackup.tar** |
|  | **ls -la ~/** |
|  | **cd /tmp/dirA/file1**  **cat > hardlink** |
|  | **find /home type f -name “AACS2284OS”** |
|  | **sort -r attendance.txt > output.txt** |
|  | **Absolute : /home/reporting/transaction/treport3.txt**  **Relative : emily/treport1.txt** |

# QUESTION 2 (10 marks)

|  | **sudo groupadd -g 3000 accounting** |
| --- | --- |
|  | **sudo useradd -m -u 3333 -g accounting Emily** |
|  | **sudo - Emily**  **mkdir emily\_dir1**  **touch emily\_file1**  **chmod 660 emily\_file1** |
|  | **cd /home/emily/emily\_dir1**  **mkdir -p dirA/homework dirB/assignment** |
|  | **chmod og=-,u=- dirA/homework** |
|  | **sudo -i**  **ll /home/Emily/jack** |

# QUESTION 3 (18 marks)

|  | **fg 1** |
| --- | --- |
|  | **ps -e** |
|  | **sleep 20m ; myscript.sh** |
|  | **nohup find /etc > listing.txt** |
|  | **cat > MYVAR1** |
|  | **unset MYVAR1** |
|  | **crontab -e**  **30 8 \* \* 1-3 /media/USB1** |
|  | **nice** |
|  | **if[ ! -d $1 ]**  **then**  **echo “The file content could not be displayed”**  **else**  **echo “myfile $1 exists”** |
|  | **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"** |
| --- |