Exercise 3- Working with Files on a UNIX/Linux system

Due:

Part1- Answer each of the following questions (5 marks)

1. To practice using wildcards, you must first create a set of files with similar names. Use th*e cat* command to create the following five files. The ***cat command***  save our time and effort. It allows us to create a quick and simple text file without opening a text editor to edit the file.
   * 1. **first\_name -** A file containing your first name

**cat > first\_name**

**Simon**

* + 1. **middle\_name -** A file containing your middle name (if you don`t have middle name just write any name )

**cat > middle\_name**

**Vi**

* + 1. **last\_name -** A file containing your last name

**cat > last\_name**

**Tran**

* + 1. **full\_name1.txt -** A file containing your full name

**cat > full\_name1.txt**

**Simon Vi Tran**

* + 1. **full\_name22.txt -** Another file containing your last name

**cat > full\_name22.txt**

**Tran**

1. What will be the command to see only the files that contains the string **“name”** only as last part of a filename?

**ANSWER: ls \*name**

1. Write the command to see all the files that starts with **f** and end with **.*txt***

**ANSWER: ls f\*.txt**

**Part 2: For each of the following steps you should write the commands (15 marks)**

Assume we are doing a survey in a residential area to know how many people are vaccinated. We need to keep the record. We will create 2 directories one for the vaccinated and one for the unvaccinated people.

1. Make sure you are in your home directory

**cd ~**

1. Create a directory called ***vacc\_19***.

**mkdir vacc\_19**

1. Create a file called ***vacc1*** under *vacc\_19*. The file contains 3 fields for street number, last name and first name. A colon will separate each field.

Fill the file with the following information:

vacc

111:King:Jana

113:Roberts:Rob

115:Sandra:Sue

**cd vacc\_19**

**cat > vacc1**

**vacc**

**111:King:Jana**

**113:Roberts:Rob**

**115:Sandra:Sue**

1. Go back to your home directory

**cd ~**

1. Create another directory and call it ***unvacc\_19***.

**mkdir unvacc\_19**

1. Under this directory create a file and call it ***unvacc1***, the content of this file is as follows:

unvacc

210:Mia:Sarah

212:Poluk:Joe

214:Robinson:Lilly

**cd unvacc\_19**

**cat > unvacc1**

**unvacc**

**210:Mia:Sarah**

**212:Poluk:Joe**

**214:Robinson:Lilly**

1. In your home directory create a central directory and call it ***vacc19\_report***

Under this directory create a file and call it ***survey\_list***, fill the file with the following information:

vacc

219:Harry:John

221:Amma:Smith

unvacc

312:Reid:Johny

314:Tim:Oscar

**cd ~**

**mkdir vacc19\_report**

**cd vacc19\_report**

**cat > survey\_list**

**vacc**

**219:Harry:John**

**221:Amma:Smith**

**unvacc**

**312:Reid:Johny**

**314:Tim:Oscar**

1. Copy the vacc1 file from the vacc\_19 directory to the vacc19\_report directory. (You should use a single command with relative path)

**cd ~**

**cp vacc\_19/vacc1 vacc19\_report**

1. Copy the unvacc1 file from the unvacc\_19 directory to the vacc19\_report directory. (You should use a single command with relative path)

**cd ~**

**cp unvacc\_19/unvacc1 vacc19\_report**

1. Concatenate vacc1 and unvacc1 and save the content to the file ***survey\_list***. Make sure the content of the file survey\_list will not overwrite by the content of vacc1 and unvacc1 files but will append after the content of the survey\_list file.

**cd vacc19\_report**

**cat vacc1 unvacc1 >> survey\_list**

1. Now we want to see only one specific record from file survey\_list. Use the head and tail commands with pipeline to show only the following record

314:Tim:Oscar

**head -6 survey\_list | tail -1**

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