Embedded Linux Task 1

Q1:
Linux Distributions:
        1-ubuntu
        2-Red Hat
        3-dedbian

Q2:
man command:
        It is a system-wide documentation system that provides short reference
        manuals (pages) for individual commands, API functions, concepts,
        configuration file syntax, file formats and is organized in sections (1
        for user commands, 2 for system calls...). That's the traditional Unix
        documentation system.

Q3:

        The difference between rm and rmdir:
        rm:
        rm removes each specified file. By default, it does not remove
        directories.

        rmdir:
        Remove the DIRECTORY(ies), if ther are empty.

Q4:

```
alaa@alaaHP:~$ ls
Desktop  dir1  docs  Documents  Downloads  Embedded-Linux  Music  MyDocuments  P
ictures  Public  snap  Templates  Videos
alaa@alaaHP:~$ cd /home/alaa/docs
alaa@alaaHP:~/docs$ ls
mycv
alaa@alaaHP:~/docs$ cd /home/alaa/dir1
alaa@alaaHP:~/dir1$ ls
dir11  dir12
alaa@alaaHP:~/dir1$ cd /home/alaa/dir1/dir11
alaa@alaaHP:~/dir1/dir11$ ls
file1
alaa@alaaHP:~/dir1/dir11$ cd /home/alaa/MyDocuments
alaa@alaaHP:~/MyDocuments$ ls
OldFiles
alaa@alaaHP:~/MyDocuments$ 
```

a. Couldn't remove the directory because it is not empty. To remove a non
empty directory we use "rm -r" command.

```
alaa@alaaHP:~/dir1$ rmdir dir11
rmdir: failed to remove 'dir11': Directory not empty
alaa@alaaHP:~/dir1$ rm dir11
rm: cannot remove 'dir11': Is a directory
alaa@alaaHP:~/dir1$ rm -r dir11
alaa@alaaHP:~/dir1$ ls
dir12
alaa@alaaHP:~/dir1$ 
```

b. The "OldFiles" file couldn't be removed because "rmdir -p" is used for
directories only.

```
alaa@alaaHP:~$ rmdir -p /home/alaa/MyDocuments/OldFiles
rmdir: failed to remove '/home/alaa/MyDocuments/OldFiles': Not a directory
```

C. The absolute path:
home/user/docs/mycv
The relative path:
docs/mycv

Q5:

```
alaa@alaaHP:~$ pwd
/home/alaa
alaa@alaaHP:~$ cp /etc/passwd mypasswd
alaa@alaaHP:~$ ls
Desktop  docs        Downloads       Music         mypasswd  Public  Templates
dir1     Documents   Embedded-Linux  MyDocuments   Pictures  snap    Videos
```

Q6:

```
alaa@alaaHP:~$ mv mypasswd oldpasswd
alaa@alaaHP:~$ ls
Desktop   docs        Downloads      Music         oldpasswd  Public  Templates
dir1      Documents   Embedded-Linux MyDocuments   Pictures   snap    Videos
alaa@alaaHP:~$ []
```

Q7:
- cd
- cd ~
- cd $HOME
- cd home/user

```
alaa@alaaHP:/bin$ cd
alaa@alaaHP:~$ cd /bin
alaa@alaaHP:/bin$ cd ~
alaa@alaaHP:~$ cd /bin
alaa@alaaHP:/bin$ cd $HOME
alaa@alaaHP:~$ cd /bin
alaa@alaaHP:/bin$ cd /home/alaa
alaa@alaaHP:~$ []
```

Q8:

```
alaa@alaaHP:/usr/bin$ ls w*
w            wc       whereis            who                     word-list-compress
wall         wdctl    which              whoami                  wpa_passphrase
watch        wget     which.debianutils  whoopsie                write
watchgnupg   whatis   whiptail           whoopsie-preferences    write.ul
alaa@alaaHP:/usr/bin$ []
```

Q9:

Command type is used to display information about command type.

Q10:

```
alaa@alaaHP:/usr/bin$ ls c*
calibrate_ppa          chfn            column
canberra-gtk-play      chgrp           comm
cancel                 chmod           compose
captoinfo              choom           corelist
cat                    chown           cp
catman                 chrt            cpan
cautious-launcher      chsh            cpan5.34-x86_64-linux-gnu
cd-create-profile      chvt            cpio
cd-fix-profile         ciptool         cpp
cd-iccdump             ckbcomp         cpp-11
cd-it8                 cksum           c_rehash
chacl                  clear           crontab
chage                  clear_console   csplit
chardet                cmp             ctstat
chardetect             codepage        cupstestppd
chattr                 col             cut
chcon                  colcrt          cvt
check-language-support colormgr        cvtsudoers
cheese                 colrm
alaa@alaaHP:/usr/bin$ []
```

Q11:

```
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task1$ man -k read file
00-upstream-settings (5) - dconf configuration file
FILE (3)               - overview of system data types
[ (1)                  - check file types and compare values
aa-exec (1)            - confine a program with the specified AppArmor profile
aa-remove-unknown (8)  - remove unknown AppArmor profiles
aa-teardown (8)        - unload all AppArmor profiles
access.conf (5)        - the login access control table file
accessdb (8)           - dumps the content of a man-db database in a human read...
acct (5)               - process accounting file
adduser.conf (5)       - configuration file for adduser(8) and addgroup(8) .
amidi (1)              - read from and write to ALSA RawMIDI ports
anacrontab (5)         - configuration file for anacron
aplaymidi (1)          - play Standard MIDI Files
apparmor.d (5)         - syntax of security profiles for AppArmor.
apparmor.vim (5)       - vim syntax highlighting file for AppArmor profiles
apparmor_parser (8)    - loads AppArmor profiles into the kernel
apparmor_xattrs (7)    - AppArmor profile xattr(7) matching
```

Q12:

Search the manual age names and descriptions