Q1(a)

/usr/bin
The answer is not /bin/ because pwd returns the working directory name not the file name and since /bin/ is under the directory usr/bin/ then that's what's displayed.

%%

Q1(b)(I)

Input:

ls ??????????????

Output:

dvd+rw-booktype* glib-gettextize* gtkdoc-scangobj* libpng12-config*
dvd-ram-control* gnome-perfmeter* intltool-update* run-with-aspell*
gdmXnestchooser* gnome-printinfo* libIDL-config-2* tsoljds-tstripe*
glib-genmarshal* gst-inspect-0.8* libpng10-config* tsoljdslabel-ui*

%%

Q1(b)(II)

Input:

ls ?z*

Output:

7z* **gzcat***
7za* **gzcmp***
7zr* **gzdiff***
bzcat* **gzegrep***
bzcmp* **gzexe***
bzdiff* **gzfgrep***
bzegrep* **gzforce***
bzfgrep* **gzgrep***
bzgrep* **gzip***
bzip2* **gzless***
bzip2recover* **gzmore***
bzless* **gznew***
bzmore* **tzselect***

%%

Q1(b)(III)

Input:

/usr/bin
The answer is not /bin/ because pwd returns the working directory name not the file name and since /bin/ is under the directory usr/bin/ then that’s what’s displayed.

%%

Q1(b)(I)

Input:

ls ???????????????

Output:

```
dvd+rw-booktype*  glib-gettextize*  gtkdoc-scangobj*  libpng12-config*
dvd-ram-control*  gnome-perfmeter*  intltool-update*  run-with-aspell*
gdmXnestchooser*  gnome-printinfo*  libIDL-config-2*  tsoljds-tstripe*
glib-genmarshal*  gst-inspect-0.8*  libpng10-config*  tsoljdslabel-ui*
```

%%

Q1(b)(II)

Input:

ls ?z*

Output:

```
7z*            gzcat*
7za*           gzcmp*
7zr*           gzdiff*
bzcat*         gzegrep*
bzcmp*         gzexe*
bzdiff*        gzfgrep*
bzegrep*       gzforce*
bzfgrep*       gzgrep*
bzgrep*        gzip*
bzip2*         gzless*
bzip2recover*  gzmore*
bzless*        gznew*
bzmore*        tzselect*
```

%%

Q1(b)(III)

Input:

ls *[ij]

Output:

```
fmli*              native2ascii@
gtkdoc-scangobj*   tsoljdslabel-ui*
gtkdoc-scanobj*    vi*
idlj@              xdtosj@
```

%%

Q1(b)(IV)

Input:

```
ls -d [A-Z]*
```

Output:

```
CC@              DBMirror.pl*
CCadmin@         HtmlConverter@
ControlPanel@    X11/
```

%%

Q1(b)(V)

Input:

```
ls -d [A-C,E-L,N-Z]*
```

Output:

```
CC@              HtmlConverter@
CCadmin@         X11/
ControlPanel@
```

$$

Q2(a)

Input:

```
cd /student/zalbiraw

mkdir public_html
```

%%

Q2(b)

Input:

ls -ld public_html

Output:

drwx------   2 zalbiraw 2ndyr   2 Sep 24 00:11 public_html/

%%

Q2(c)

Input:

cd /student/zalbiraw/public_html

%%

Q2(d)

Input:

touch abc

%%

Q2(e)

Input:

cd ..

%%

Q2(f)

Input:

chmod 300 public_html

%%

Q2(f)

By executing the command chmod 300 public_html we removed the reading permission from the file public_html that’s why the command ls isn’t working due to the file not being readable. On the other hand, the

command ls can be applied to the file abc because its permission were not changed.

%%

Q2(g)

Input:

chmod 700 public_html

The minimum is 700 because it gives us back the reading privileges.

$$

Q3(a)

Input:

ls -d -r .*rc

Output:

.twmrc* .tcshrc* .mwmrc* .cshrc*

%%

Q3 (b)

Input:

ls -d -r .ss*

Output:

/usr/bin/ls: No match.

%%

Q3 (c)

Input:

finger zalbiraw

Output:

Login name: zalbiraw In real life: Zaid Albirawi

Directory: /gaul/s1/student/2012/zalbiraw Shell: /local/tcsh

On since Sep 24 01:20:54 on pts/9 from cpe602ad06c4aec-cm602ad06c4ae9.cpe.net.cable.rogers.com

%%

Q3 (d)

Input:

cat > .plan

%%

Q3 (e)

chmod a+r .plan

%%

Q3 (f)

Input:

finger zalbiraw

Output:

Login name: zalbiraw In real life: Zaid Albirawi

Directory: /gaul/s1/student/2012/zalbiraw Shell: /local/tcsh

On since Sep 23 23:29:47 on pts/4 from cpe602ad06c4aec-cm602ad06c4ae9.cpe.net.cable.rogers.com

59 minutes Idle Time

No unread mail

Plan:

finish this assignment so i can sleep

finish 2210 assigntme^?^?ment

finish 2214 assignment tonight also --^?_-

%%

Q3 (g)

Input:

obelix[46]% chmod 600 .plan

%%

Q3 (h)

Input:

finger zalbiraw

Output:

Login name: zalbiraw In real life: Zaid Albirawi

Directory: /gaul/s1/student/2012/zalbiraw Shell: /local/tcsh

On since Sep 23 23:29:47 on pts/4 from cpe602ad06c4aec-cm602ad06c4ae9.cpe.net.cable.rogers.com

1 hour 3 minutes Idle Time

No unread mail

No Plan.

%%

Q3 (i)

C did not include any extra information, f displayed the ideal time and plan, and finally, h displayed the idle time but hid the plan information.

$$

Q4(a)

Input:

mkdir Working-Area

%%

Q4(b)

Input:

cd Working-Area

mkdir Dir1

touch File1

%%

Q4(c)

Input:

cd Dir1

mkdir Dir3

mkdir Dir4

%%

Q4(d)

Input:

cd Dir3

touch File3

%%

Q4(e)

Input:

cd Dir4

touch File4

touch File5

touch File6

%%

Q4(f)

Input:

ln -s Dir1/Dir4 Dir2

%%

Q4(g)

Input:

chmod 700 Working-Area

%%

Q4(h)

Input:

chmod 750 Working-Area/Dir1/Dir3

%%

Q4(i)

Input:

chmod 755 Working-Area/Dir1/Dir3/File3

%%

Q4(j)

Input:

chmod 511 Working-Area/Dir1/Dir4/File5

$$

Q5(a)

Input:

cat > letter.txt
01
02
03
04
05
06
07
08

09
10
11
12

%%

Q5(b)

Input:

cat letter.txt

%%

Q5(c)

tail -3 ~/letter.txt displays the last three entrees in the file

tail +3 ~/letter.txt displays all the entrees after the 3rd entre.

%%

Q5(d)

head -3 ~/letter.txt displays the first three entrees in the file.

head +3 ~/letter.txt displays all the entrees until it reaches the 3rd last entree.

%%

Q5(e)

who | tee ~/letter.txt | wc –l displays the number of lines in the fle letter.txt

%%

Q5(f)

Input:

cal 11 1955

Output:

November 1955

S M Tu W Th F S

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

%%

Q5(g)

cat letter.txt reads the contents of the file letter.txt
cat < letter.txt sends a copy of the contents to the terminal.

%%

Q5(g)

echo cat, echo will treat cat as a string and echo it.
cat echo, cat will try to find and read a file that's named echo.

$$

Q6(a)

Input:
cp –r /courses/ /

%%

Q6(b)

Input:

cp –r ./courses/ .

%%

Q6(c)

Input:
chmod -R 700 /courses/

$$

Q7(a)

The **absolute pathname** is the name of a file or directory with the entire pathway from the root to the file/directory.

Example: /student/yali6/letter.txt
The **relative pathname** is the name of a file or directory, without the pathway listed. It can only be used to relatively, meaning the file or directory must reside within the current working directory.
Example: letter.txt

%%

Q7(c)

The **./** directory is the current working directory.

%%

Q7(c)

The **../** directory is the immediate parent directory of the current working directory.

%%

Q7(d)

The **~/** directory is the $HOME directory.

%%

Q7(e)

The **rmdir** command failed because the files and directories in abc_dir/ are either hidden, or have no read permissions and can't be viewed.

%%

Q7 (f)

1) The user might not be in the same current working directory as the item they are copying, and thus, was not correctly indicating which file to copy. The absolute pathname would be required.
2) The folder that they are copying to might not be in the same directory as the current working directory, and thus requires an absolute pathname.
3) File1.bak might already exist. (insufficient permissions)

%%

Q7 (g)
The .login file was copied into the terminal directory. A bunch of code was displayed showing some terminal changes.

%%

Q7 (h)

(i) If umask has a value of 000, this means that everyone, including the user, has read and write permissions, but no execute permissions. This could pose as a potential security threat because it enables everyone the ability to write over files.

(ii) If umask has a value of 001, this means that the user and group have read and write capabilities on files, but everyone else just has read and execute permissions. This is less of a security threat than 000 because only the user and group can write to files, where as everyone else can only read and execute files.