**Week 4 MCQ**

**Globbing and Permission**

1. **Which command will match all files in the current directory that start with "file" and end with a number (e.g., file1, file2, file10)?**

A) ls file[0-9]

B) ls file[0-9]\*

C) ls file[1-9]\*

D) ls file{0-9}

1. **Which globbing pattern matches all hidden files that do not start with a dot and have a single character before the file extension?**

A) ls .?.\*

B) ls .?\*

C) ls .\*.?

D) ls ?.\*

1. **If you use the following globbing pattern ls [a-z]\*[0-9].txt, what kind of files will be listed?**

A) Files starting with lowercase letters and ending with a digit, followed by ".txt".

B) Files starting with uppercase letters and containing a number.

C) Files starting with any letter and any number of digits at the end.

D) Files starting with lowercase letters and ending with any character followed by ".txt".

1. **If you use the symbolic command chmod g=u file.txt, which permissions will be set for the group?**

A) Group permissions will be the same as others.

B) Group will have no permissions.

C) Group permissions will mirror the owner's permissions.

D) Group will have write permission.

1. **Which command below allows only the owner to read and write to a file, while removing all permissions for group and others, using symbolic notation?**

A) chmod u+rw,go-rwx file.txt

B) chmod u=rwx,g-rw,o-rw file.txt

C) chmod u=rw,g-rw,o-rw file.txt

D) chmod u=rw,go= file.txt

1. **Given a default umask of 027, what are the default permissions on newly created files?**

A) rw-r-----

B) rw-rw-r--

C) rwxr-xr-x

D) rw-rw----

1. **What does the s in the owner and group permission fields represent? **
2. The file can only be executed by the owner and group.
3. The file will be executed with the privileges of the file's owner and group, regardless of who runs it.
4. The file is restricted and cannot be executed by anyone.
5. The file will inherit the user's permissions when executed.
6. **Consider a directory /var/www/html/ with SGID set, owned by user root and group website. The directory permissions are set as drwxr-s-wx. Alice, a member of the users group, creates a new file under the directory /var/www/html/.**

**What will the ownership and group of the newly created file be, and which option best describes the ls -l output for the new file created by Alice?**

1. -rw-r--r-- 1 alice users
2. -rw-r--r-- 1 alice website
3. -rw-r--r-- 1 root website
4. -rw-r--r-- 1 root users
5. The file cannot be created, Alice do not have the permission
6. **If we want to Set Recursively Permissions to a director and all its subdirectories. Which command should we use?**
   1. chmod -R go+rx publicdir
   2. chmod -R go+rX publicdir
   3. chmod -v go+rx publicdir
   4. chmod -c go+rx publicdir
7. **On Linux, What is the default permission for files?**

A) 700

B) 0022

C) 666

D) 644