Question #1

Develop, test and execute a menu driven Shell Script program to do the following tasks. **Create a shell script function for each option below except option #7.** Your program should run forever until the user chooses to quit - (option 7).

1. Display server information, user currently logged on, server status (CPU load, and how long has been up and running), amount of disk space left on server, and server memory status.
2. Display files with a given file extension (user enters the file extension).
3. Removes all filenames within a given directory with extension .mp3, .jpg, .gif, .o (C programming object files) and a file called *core*.
4. Create a new directory with permission 777 with a *stickybit* on.
5. Call the shell script you have created in your homework #2.
6. Compress all files in your home directory and save it your home directory.
7. Exit

Enter selection: _

Question #2

Given a shell script program shown below, explain in detail what the script is attempting to accomplish?

```
#!/bin/bash
# A simple script with a function...

tryMe()
{
  USER=$1
  PASSWORD=$2
  shift; shift;
  # Having shifted twice, the rest is now comments ...
  COMMENTS=$@
  echo "Adding user $USER ..."
  echo useradd -c "$COMMENTS" $USER
  echo passwd $USER $PASSWORD
  echo "Added user $USER ($COMMENTS) with pass $PASSWORD"
}


echo "Start of script..."
add_a_user bob letmein Bob Holness the presenter
add_a_user fred badpassword Fred Durst the singer
add_a_user bilko worsepassword Sgt. Bilko the role model
echo "End of script..."
```