



King Abdulaziz University
Faculty Of Computing and Information Technology
Information Technology Department
CPIT-490

Assignment-2

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The script:

```
Activities Text Editor Feb 4 21:42
*Assig2.sh ~/Desktop Save
1#!/bin/bash
2
3# Prompt the user to enter the username
4read -p "Enter the username: " username
5
6# Create a new user
7sudo useradd "$username" || {
8    echo "Failed to create user $username."
9    exit 1
10}
11
12# Prompt the user to enter a strong password
13while true; do
14    read -s -p "Enter a strong password (8 characters or more): " password
15    echo
16    if [ ${#password} -ge 8 ]; then
17        break
18    else
19        echo "Password is not strong enough. Please enter a password with at least 8 characters."
20    fi
21done
22
23# Set the password for the new user
24echo "$username:$password" | sudo chpasswd || {
25    echo "Failed to set password for user $username."
26    sudo userdel -r "$username"
27    exit 1
28}
29
30# Prompt the user to enter a default group name
31read -p "Enter the default group name: " default_group
32
33# Add the user to the default group
34sudo usermod -aG "$default_group" "$username" || {
35    echo "Failed to add user $username to group $default_group."
36    sudo userdel -r "$username"
37    exit 1
38}
39
40# Confirm user creation
41read -p "User $username has been created with default group $default_group. Do you want to proceed? (Y/N): " confirm
42
43if [ "$confirm" != "Y" ] && [ "$confirm" != "y" ]; then
44    # Delete the user and exit
45    sudo userdel -r "$username"
46    echo "User creation cancelled."
47    exit 0
48fi
49
50# Confirmation message
51echo "New user $username has been created with default group $default_group."
```

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```

Execution of the script:

```
azzoz@ubuntuoserver:~/Desktop$ sudo bash Assig2.sh
Enter the username: zxc
Enter a strong password (8 characters or more):
Enter the default group name: staff
User zxc has been created with default group staff. Do you want to proceed? (Y/N): Y
New user zxc has been created with default group staff.
azzoz@ubuntuoserver:~/Desktop$
```