1. Make directory.

```
Last login: Thu Aug 31 13:18:49 on ttys808

saraalmukhaild@MacBook-Pro-alkhas-b-Sara - % export PATH="$PATH:/Applications/Docker.app/Contents/Resources/bin/"

> AC

[rootef6e6bb1c4781 scripts]# cd /

[rootef6e6bb1c4781 /]# addir Server_Project
```

2. Source Code

```
!/bin/bash
  uthenticate_user() {
  read -p "Enter username: " input_username
  read -s -p "Enter password: " input_password
  echo
   else cho "Authentication failed. Please try again."
authenticated-false sleep 2
fi
username="root"
password="root"
 authenticated=false
  hile [ Sauthenticated == false ]; do authenticate_user
   cpu_usage=$(top -bn1 | grep "Cpu(s)" | awk '{print $2 + $4}')
echo "CPU Usage: $cpu_usage%"
            memory_usage=$(free -m | awk 'NR==2{printf "%.2f%%", {$3/$2}*100}') ccho "Memory Usage: Smemory_usage"
            disk_usage=$(df -h | awk '$NF=="/"{printf "%s", $5}')
echo "Disk Space Usage: $disk_usage"
network_stats=$(ss -s)
echo "Network Statistics:"
echo "$network_stats"
            echo "Invalid choice. Please try again."
    sleep 2
GG Get Help GG Write Out M Where Is AK Cut Text 3 Justify C Cur Pos K-U Undo K-A Mark Text K-) To Bracket K-A Previous AB Back C Prev Word X Exit AB Replace U Uncut Text AT To Linter C GO To Line K-B Redo K-6 Copy Text K-M Where Is Next K-7 Next M Forward Next Word
```

3. Authentication

4. Result

```
S. Exit

Linuary out choice: 1

CDU Usage: SN

Walcome rocat

1. CDU Usage: SN

Walcome rocat

2. CDU Usage: SN

3. Did usage

3. Did usage

4. Method state

5. Did usage

5. Did usage

6. Method state

6. Method state

7. Linuary Usage

7. Method state

8. Exit

1. CDU Usage

7. Method state

8. Exit

1. CDU Usage

9. Did usage

1. Method state

8. Exit

8. Exit

8. Exit

8. Exit

8. Exit

9. Did usage

9. Method state

9. Method
```