CIT 112 BASH Scripting Project

Objective

Write a bash script (rps.sh) that allows you to play "Rock, Paper, Scissors" against the computer. The script should run like this:

```
:~/cit112/BashProject$ . ./rps.sh

1. Rock
2. Paper
3. Scissors
4. Done
Your choice [1-4]? 1

You chose 1. Rock
Computer chose 1. Rock
You tied.  Try again.

1. Rock
2. Paper
3. Scissors
4. Done
Your choice [1-4]? 2

You chose 2. Paper
Computer chose 3. Scissors
You lost.

1. Rock
2. Paper
3. Scissors
4. Done
Your choice [1-4]? 3

You chose 3. Scissors
Computer chose 2. Paper
You win.

1. Rock
2. Paper
3. Scissors
4. Done
Your choice [1-4]? 4

Bye
```

Requirements

Your bash script should present the following set of features:

1. the game allows you to play Rock, Paper, Scissors against the computer
2. the game is menu-driven
3. the game runs continuously
4. the game terminates when option 4 is selected
5. the game plays according to the standard rule
6. the game displays the same or similar messages as shown in the example output

Your bash script must include the following constructs and statements:
1. if
2. while
3. break
4. echo

To allow the computer to play the game, use the following command:

computer=$(((RANDOM % 3) + 1))

```
if (( "$computer" == 1 )) then
    echo "Computer chose 1. Rock"
elif ….
….
```

Deliverable

BASH Script File
Upload your bash script (rps.sh) through Canvas.

Gameplay Recording
Record your "Rock, Paper, Scissors" gameplay using the following command and upload the generated files (BashProj.log and BashProj.timing). Make sure that your recorded gameplay will include all four choices you can make (1. Rock, 2. Paper, 3. Scissors, 4. Done). Demonstrate that your bash script will correctly produce three outcomes that are possible (You won, You lost, You tied). Your demonstration of correct outcome need not be exhaustive. Just one instance of win, one instance of loss, and one instance of tie will do.

```
[me@linuxbox ~]$ script -a BashProj.log --timing=BashProj.timing
[me@linuxbox ~]$ . ./rps.sh
after the game play
[me@linuxbox ~]$ exit
[me@linuxbox ~]$ ls
Bashproj.log BashProj.timing
```