System Health Check Report

```bash
#!/bin/bash

report_path=/adhamscripts/report.txt
hostname=$(hostname)

echo "System health report ($hostname) " >> $report_path
echo "==========================================================" >> $report_path

echo "cpu usage" >> $report_path
top -bn1 | grep "Cpu(s)" >> $report_path

echo -e "\nMemory usage" >> $report_path
free -h >> $report_path

echo -e "\nDisk usage" >> $report_path
df -h >> $report_path
```

```
[root@dev adhamscripts]# touch system_chk.sh
[root@dev adhamscripts]# vim system_chk.sh
[root@dev adhamscripts]# chmod +x system_chk.sh
[root@dev adhamscripts]# ./system_chk.sh
[root@dev adhamscripts]# ls
backupsh.sh   buckup_DIR   report.txt   system_chk.sh   usercreation.sh
```

```
[root@dev adhamscripts]# cat report.txt
System health report (dev.ops.com)
==========================================================
cpu usage
%Cpu(s):  1.4 us,  4.1 sy,  0.0 ni, 94.6 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st

Memory usage
               total        used        free      shared  buff/cache   available
Mem:           1.9Gi       1.3Gi       216Mi        25Mi       596Mi       627Mi
Swap:          1.0Gi          0B       1.0Gi

Disk usage
Filesystem       Size  Used Avail Use% Mounted on
devtmpfs         4.0M     0  4.0M   0% /dev
tmpfs            968M     0  968M   0% /dev/shm
tmpfs            387M  7.8M  380M   3% /run
/dev/nvme0n1p2    10G  4.5G  5.6G  45% /
/dev/nvme0n1p1   511M  7.1M  504M   2% /boot/efi
/dev/nvme0n1p3   4.0G   66M  3.9G   2% /home
tmpfs            194M   96K  194M   1% /run/user/0
/dev/sr0          11G   11G     0 100% /run/media/root/RHEL-9-4-0-BaseOS-x86_64
[root@dev adhamscripts]#
```