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#!/bin/bash
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mkdir ~/research 2>/dev/null
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echo "A Quick System Audit Script" >~/research/sys_info.txt
date >>~/research/sys_info.txt
echo "" >>~/research/sys_info.txt
echo "Machine Type Info:" >>~/research/sys_info.txt
echo $MACHTYPE >>~/research/sys_info.txt
echo -e "Uname info: $(uname -a) \n" >>~/research/sys_info.txt
echo -e "IP Info: $(ip addr | grep inet | tail -2 | head -1) \n" >>~/research/sys_info.txt
echo -e "Hostname: $(hostname -s) \n" >>~/research/sys_info.txt
echo "DNS Servers: " >>~/research/sys_info.txt
cat /etc/resolv.conf >>~/research/sys_info.txt
echo -e "\nMemory Info:" >>~/research/sys_info.txt
free >>~/research/sys_info.txt
echo -e "\nCPU Info:" >>~/research/sys_info.txt
lscpu | grep CPU >>~/research/sys_info.txt
echo -e "\nDisk Usage:" >>~/research/sys_info.txt
df -H | head -2 >>~/research/sys_info.txt
echo -e "\nWho is logged in: \n $(who -a) \n" >>~/research/sys_info.txt
echo -e "\nExec Files:" >>~/research/sys_info.txt
find /home -type f -perm 777 >>~/research/sys_info.txt
echo -e "\nTop 10 Processes" >>~/research/sys_info.txt
ps aux -m | awk {'print $1, $2, $3, $4, $11'} | head >>~/research/sys_info.txt
```