

# Task 9: Environment and Disk Report

1. Create the script file:

```
nano system_report.sh
```

```
#!/bin/bash
```

```
REPORT_FILE="system_report.txt"
```

```
echo "=== System Environment and Disk Report ===" > $REPORT_FILE
```

```
echo "Generated on: $(date)" >> $REPORT_FILE
```

```
echo >> $REPORT_FILE
```

```
echo ">> User: $(whoami)" >> $REPORT_FILE
```

```
echo ">> Hostname: $(hostname)" >> $REPORT_FILE
```

```
echo ">> Uptime:" >> $REPORT_FILE
```

```
uptime >> $REPORT_FILE
```

```
echo >> $REPORT_FILE
```

```
echo ">> Disk Usage:" >> $REPORT_FILE
```

```
df -h >> $REPORT_FILE
```

```
echo >> $REPORT_FILE
```

```
echo ">> PATH Variable:" >> $REPORT_FILE
```

```
echo "$PATH" >> $REPORT_FILE
```

```
echo >> $REPORT_FILE
```

```
echo ">> SHELL Variable:" >> $REPORT_FILE
```

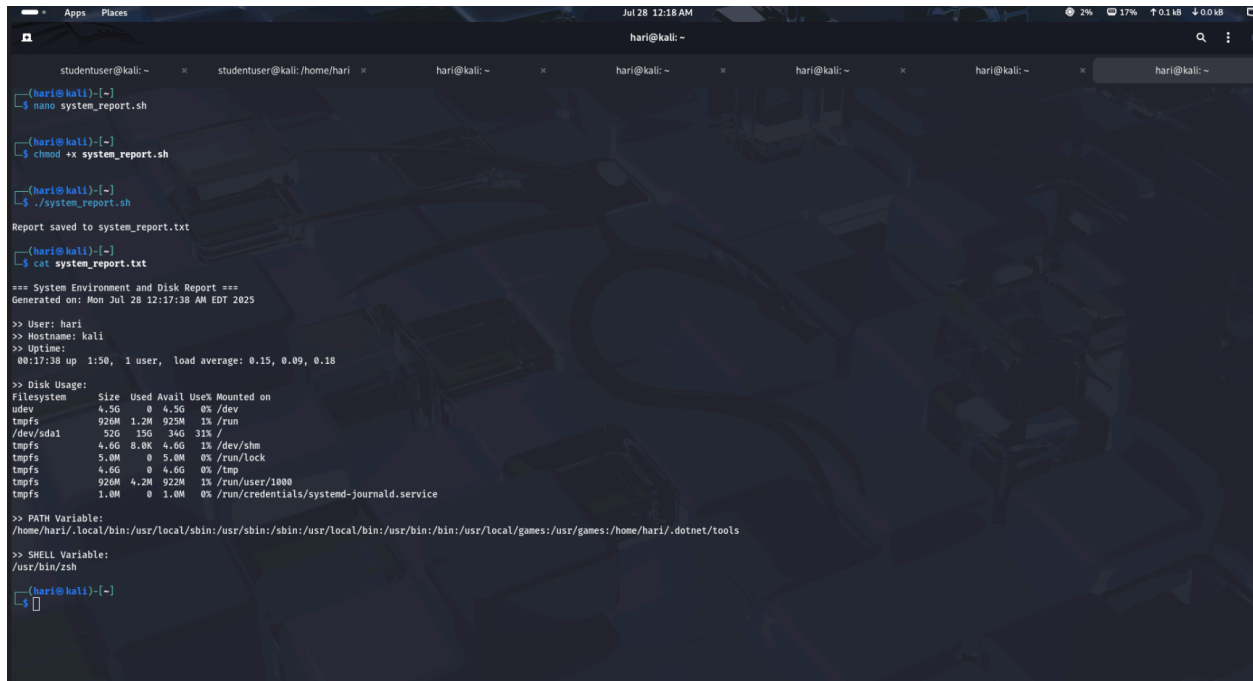
```
echo "$SHELL" >> $REPORT_FILE
```

```
echo "Report saved to $REPORT_FILE"
```

2. Make it executable:

```
chmod +x system_report.sh
```

```
cat system_report.txt
```



**Conclusion:** Task 9 generated a system report capturing the current user, hostname, uptime, mounted filesystems, disk usage, and key environment variables. It provided a snapshot of the system's environment and resource status through a simple script.