

Automating backups and log rotation

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

```
# Configuration
```

```
LOG_DIR="/var/log/hp"
```

```
ARCHIVE_DIR="/var/log/hp/"
```

```
LOG_FILE="tmp.log"
```

```
MAX_LOG_SIZE=10485760 # 10 MB
```

```
# Create archive directory if it doesn't exist
```

```
mkdir -p $ARCHIVE_DIR
```

```
# Check if the log file exists and its size
```

```
if [ -f "$LOG_DIR/$LOG_FILE" ]; then
```

```
    LOG_SIZE=$(stat -c%s "$LOG_DIR/$LOG_FILE")
```

```
    if [ $LOG_SIZE -ge $MAX_LOG_SIZE ]; then
```

```
        TIMESTAMP=$(date +"%Y%m%d%H%M%S")
```

```
        mv "$LOG_DIR/$LOG_FILE" "$ARCHIVE_DIR/$LOG_FILE.$TIMESTAMP"
```

```
        touch "$LOG_DIR/$LOG_FILE"
```

```
        echo "Log file rotated: $LOG_FILE.$TIMESTAMP"
```

```
    else
```

```
        echo "Log file size is under the limit. No rotation needed."
```

```
    fi
```

```
else
```

```
    echo "Log file does not exist: $LOG_DIR/$LOG_FILE"
```

```
fi
```

Write the scripts

- 1) Write shell script for user account management
- 2) Write shell script for disk usage notification
- 3) Write shell script for automatically update system packages
- 4) Write shell script for System Load Resource usage monitoring
- 5) Write shell script to Monitor SSL Certification Expiry dates