

WELCOME

The word 'WELCOME' is rendered in large, bold, sans-serif capital letters. Each letter serves as a frame for a different scenic landscape photograph. The 'W' shows rolling green hills under a blue sky. The 'E' features a misty valley with a small house. The 'L' depicts a steep, grassy hillside. The first 'O' shows a valley with a river and distant mountains. The 'G' is a circular frame showing a hillside with trees. The second 'O' shows a misty valley with a small house. The 'M' features a dense forest of evergreen trees. The final 'E' shows a misty valley with a small house.

T O Y O U R P R E S E N T A T I O N

Project Name: PC Health Checker

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Platform: Kali Linux (Bash Script)

Purpose: Real-time system monitoring tool



Project Overview



- The **PC Health Checker** is a Bash-based monitoring utility.



- Continuously collects and displays key system metrics.



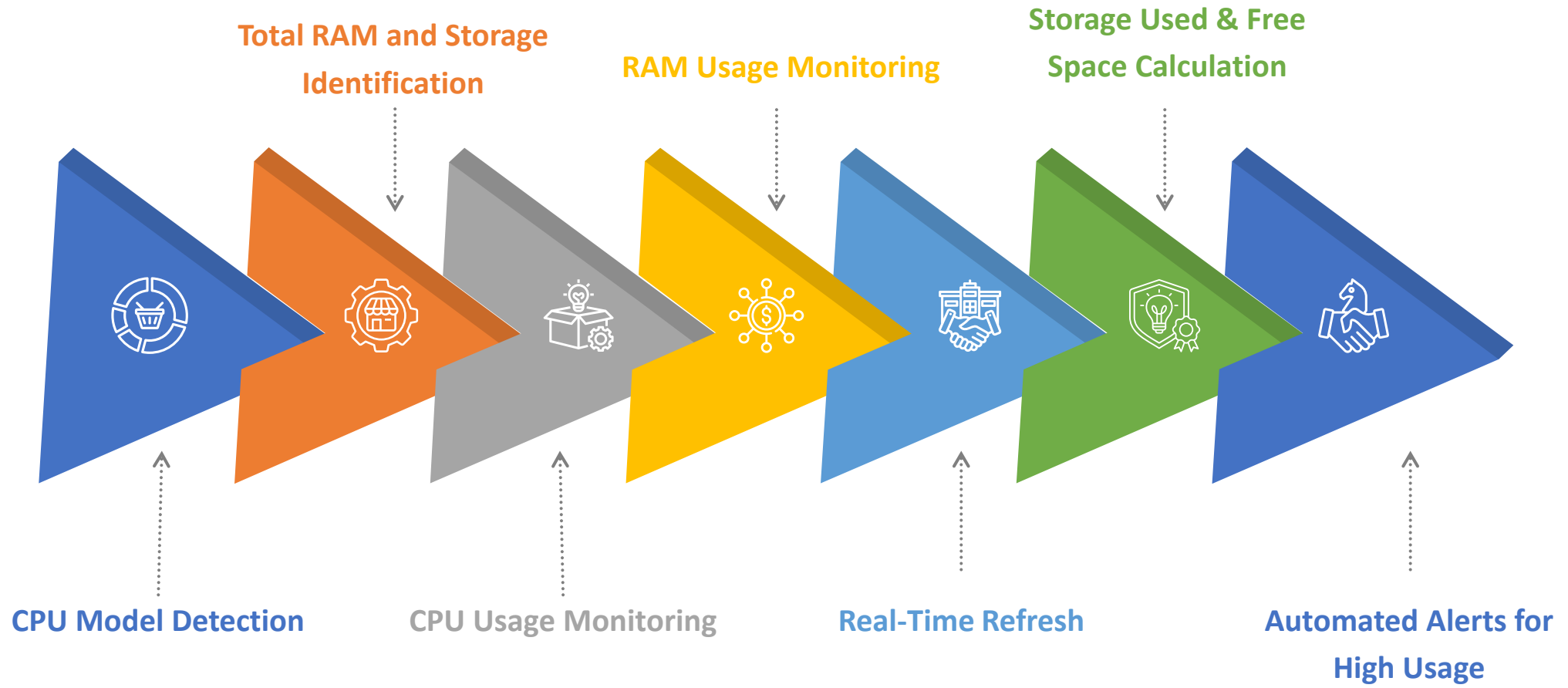
- Alerts user when resource usage exceeds defined thresholds.



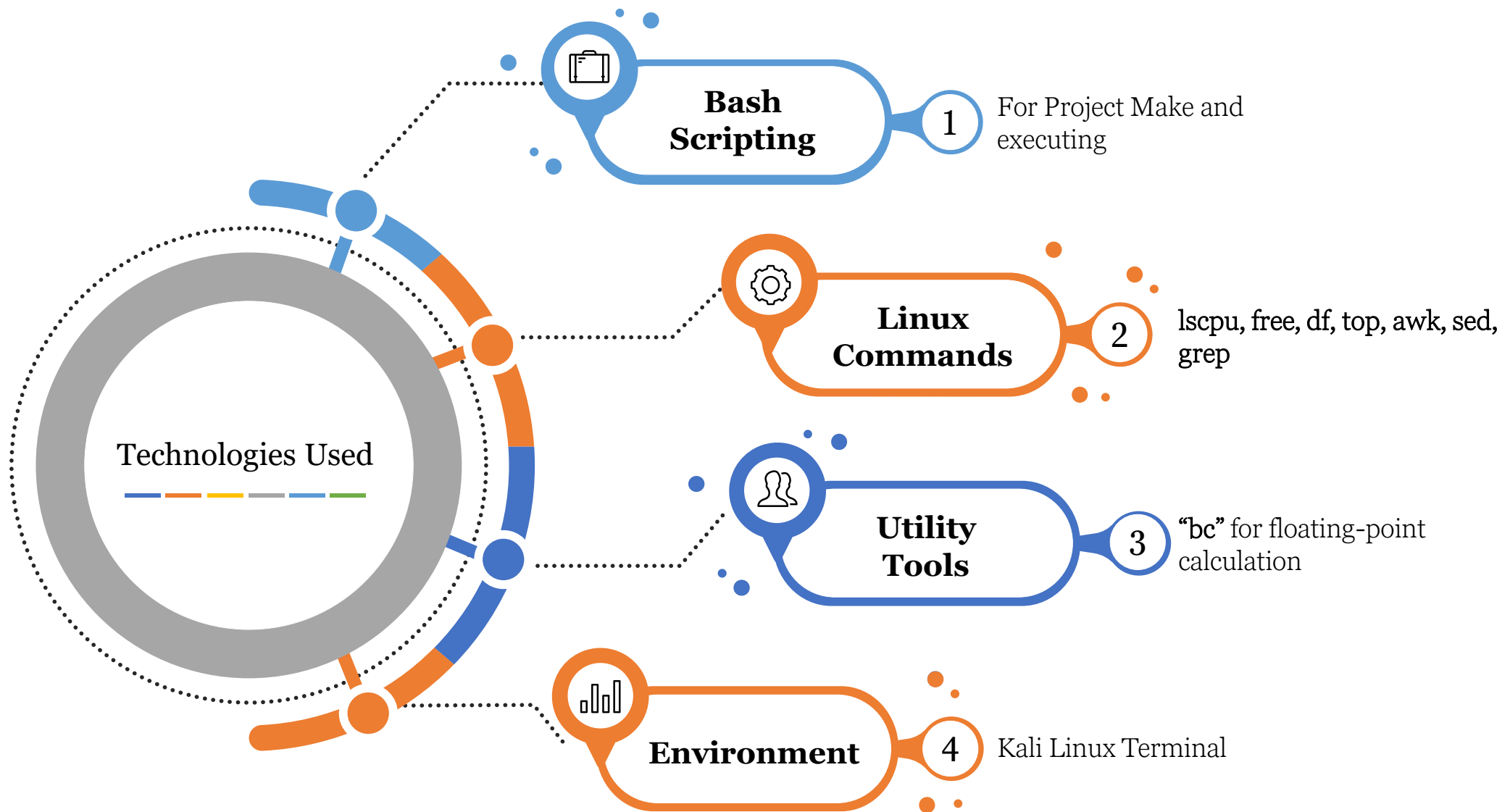
- Lightweight, fast, and suitable for Linux environments.



Key Features



Technologies Used



System Metrics Collected

1.CPU Information

- CPU Model
- CPU Usage Percentage



2.Memory (RAM) Information

- Total RAM
- RAM Usage (%)

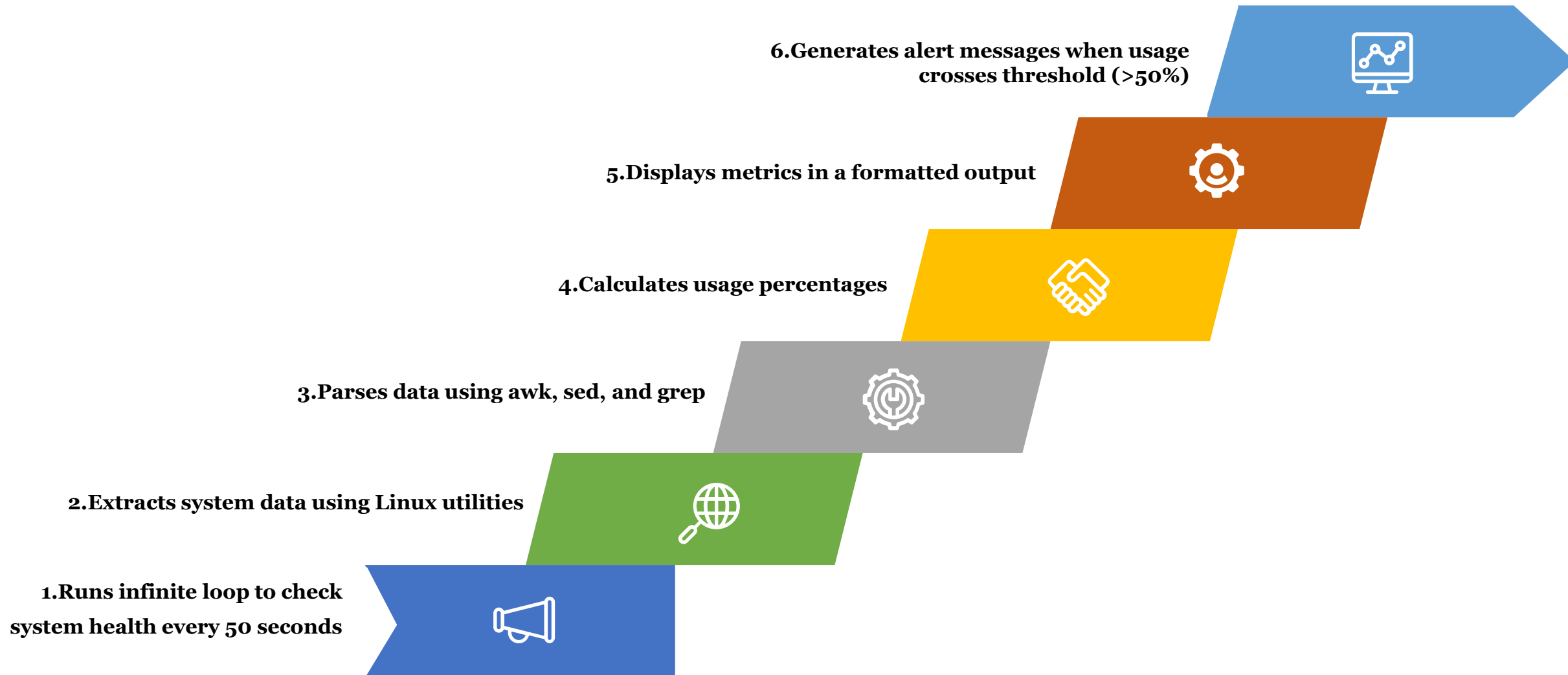


3.Storage Information

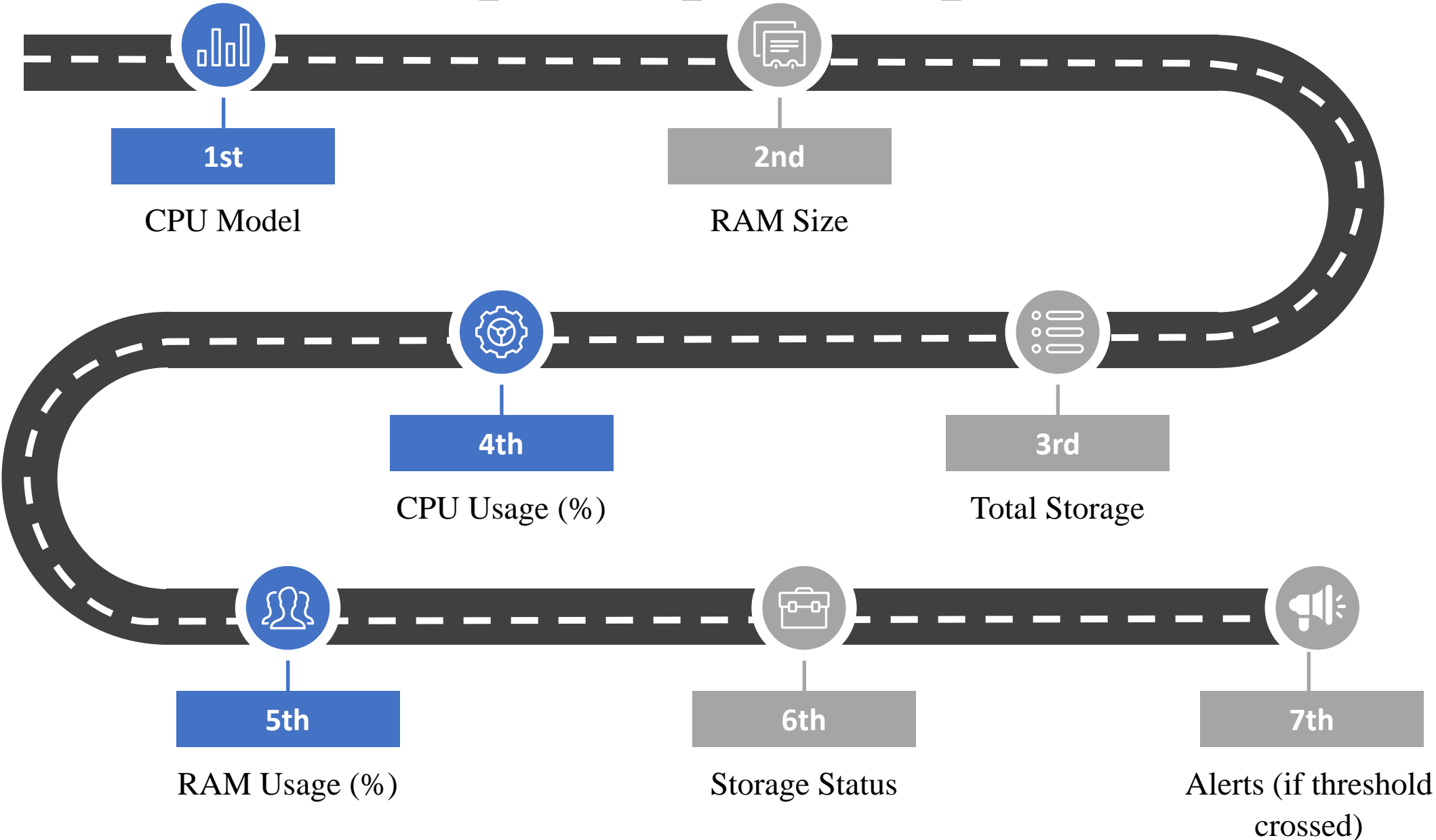
- Total Storage
- Storage Used (GB)
- Storage Free (GB)



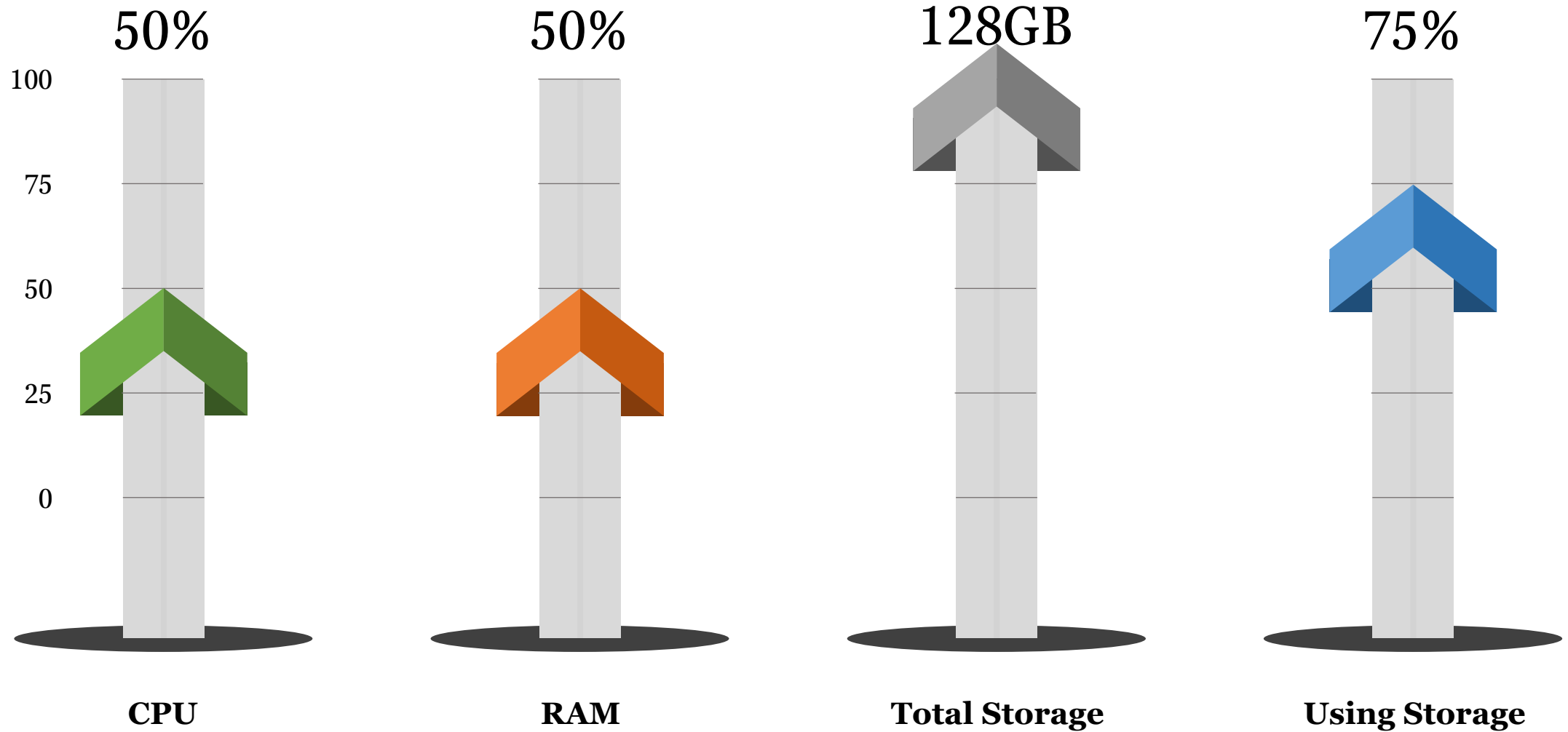
How the Script Works



Script Output Sample



Alerts threshold limit



Advantages of This Tool



- Simple and lightweight



- No external dependencies



- Continuous monitoring



- Customizable alert thresholds



- Suitable for low-resource or older machines

Future Enhancements



Color

Add color-coded output (red alert, yellow warning, green normal)

Log File

Add log file support



Report

Export health reports to CSV or JSON

Online

Implement email or Telegram notifications.



GUI Interface

Add GUI using Python/Tkinter or GTK.

Run Background

Create a service that runs in the background



Conclusion

- The PC Health Checker provides a practical demonstration of Bash scripting.
- Efficient for monitoring system health in real time.
- Good example of Linux automation, system management, and scripting proficiency.

Thank you.

Any questions?

