**Task 2:**

**Create a script to monitor server resources (CPU, memory, disk space) and send an alert if these resources exceed a predefined threshold.**

**Solution**

I tried writing python script to monitor the resource utilization of server, either CPU/Memory r Disk utilization touched to 80, then we can consider exceeded the resource utilization. Sending email code to be implemented based on organization internal SMTP settings.

**Monitor Resources Function**: Defines a function to monitor CPU, memory, and disk usage. If any of the usages exceed their respective thresholds, it sends an email alert.

**Main Section**: Calls the monitor\_resources() function to start monitoring server resources when the script is executed.

**Monitorresources.py**

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| import psutil  import smtplib  # Define thresholds for CPU usage, memory usage, and disk usage (in percentage)  CPU\_THRESHOLD = **80**  MEMORY\_THRESHOLD = **80**  DISK\_THRESHOLD = **80**  **def monitor\_resources():**  # CPU Usage  cpu\_usage = psutil.cpu\_percent(interval=1)  # Check if CPU usage exceeds threshold  if cpu\_usage > CPU\_THRESHOLD:  # Send email alert  send\_email\_alert(f'CPU usage is {cpu\_usage}%')  # Memory Usage  memory\_usage = psutil.virtual\_memory().percent  # Check if memory usage exceeds threshold  if memory\_usage > MEMORY\_THRESHOLD:  # Send email alert  send\_email\_alert(f'Memory usage is {memory\_usage}%')  # Disk Usage  disk\_usage = psutil.disk\_usage('/').percent  # Check if disk usage exceeds threshold  if disk\_usage > DISK\_THRESHOLD:  # Send email alert  send\_email\_alert(f'Disk usage is {disk\_usage}%')  # Email configuration  def send\_email\_alert(message):  #code for Email to be implemented  if \_\_name\_\_ == "\_\_main\_\_":  # Start monitoring resources  **monitor\_resources()** |