Assignment-3

A real world application that leverages both parallel computing and networked system is weather forecasting. Here’s how it works

Networked systems:

A vast network of weather stations around the globe continuously collects data on atmospheric conditions like temperature, pressure, humidity, and wind speed. These stations transmit their data to central servers.

Parallel computing:

The massive amount of data collected from weather stations is too computationally intensive for a single computer to process quickly. By distributing the data among multiple processors in a parallel computing system, meteorologists can analyze the data much faster and generate weather forecasts with improved accuracy.

This combined approach is crucial for timely and accurate weather forecasts, which have a significant impact on our everyday lives.