S225 – HIT137 Software Now

Assignment 2 – S1 2025

# Summary

This report summarises Q1 (cipher software), Q2 (temperature analysis), and Q3 (recursive graphics).

# Q1 – Cipher

Two-parameter shift cipher implemented with file I/O; verification may fail for some shift pairs by design.

# Q2 – Temperature Analysis

Processes monthly station CSVs (1986–2005 style) and outputs seasonal averages, largest range, and stability stats.

# Q3 – Recursive Pattern

turtle-based fractal-like polygon outline with adjustable sides/length/depth.