

# ASSIGNMENT NO: 4

**Title:** Error detection and correction

# Aim: To write a program for error detection and correction using Hamming Codes

# Objectives:

1. To encode and decode original data bits with the help of parity bits
2. To demonstrate use of error control protocols

# Theory: (Handwritten & Scanned)

Include following points (Handwritten & Scanned)

* 1. Types of errors
  2. Concept of parity bits
  3. Hamming code example

# Output Screenshots:

* Student's should write/paste Code here with output (Screenshots/Snaps are not accepted)

# Students Observation:

* Write observations

# FAQ (Handwritten & Scanned)

* Student's should write Answer for following questions

1. What is the difference between flow and error control?
2. Explain in brief two types of error control mechanisms