

# ASSIGNMENT NO: 4

**Title:** Error detection and correction

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

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

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