Chapter 1:
Data Representation

Learning objectives

By the end of this chapter you will:

- understand how binary numbers are used by computer systems
- be able to convert to and from positive denary and binary numbers
- understand the use of hexadecimal notation
- be able to convert to and from positive denary and hexadecimal notation
- be able to convert to and from positive binary and hexadecimal notation
- understand how different types of data are stored as binary digits
- understand how data is compressed using lossy and lossless compression methods.