#### Topics for today:

Still more on number representations

Characters

#### Positive & negative integers

- 4. Recall: Signed magnitude representation
  - Simple and obvious
  - Drawbacks

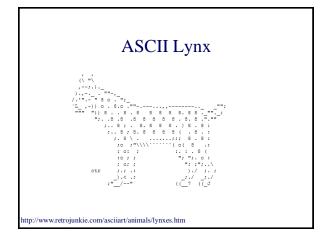
# Positive & negative integers

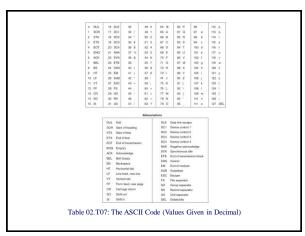
- 5. <u>Recall</u>: One's complement representation
  - Drawbacks
- 5. Two's complement representation

### **Character representations**

The traditional most common representation for characters in single byte is <u>ASCII</u> (pronounced "askey")

- American Standard Code for Information Interchange





# **ASCII**

There are many variations/extensions outside the range of 32 - 127.

(Why wasn't the range from 128 - 255 standardized?)