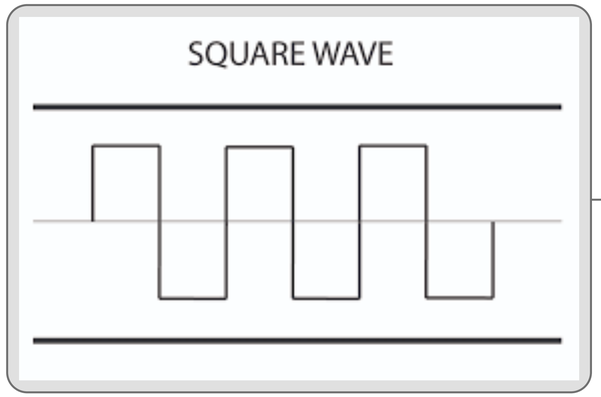
DIGITAL LOGIC

DIGITAL

- EX:nintendo switch, computer,phone,laptop
- square wave, a discrete wave

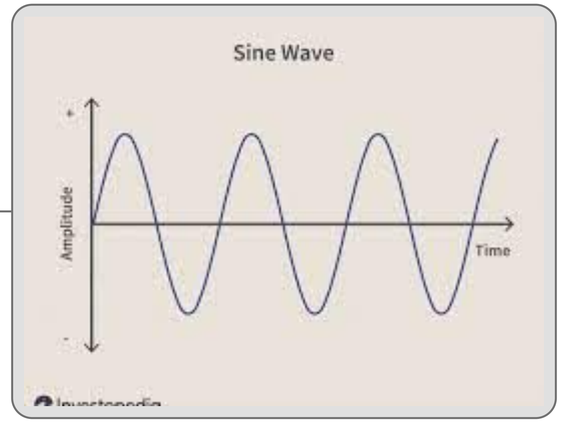


DIGITAL SIGNAL

- Discrete form (value) 0 and 1
- BASIC CHARACTERISTIC
  - Bit interval
  - Bit rate
- advantages
  - best transmission of digital data
  - easily compressed
  - better clarity

ANALOGUE

- EX: speaker, mic, analogue watch,headphone
- sine wave, a continuous wave



ANALOGUE SIGNAL

- change smoothly over time, infinite number of values and it varies
- BASIC CHARACTERISTIC
  - Amplitude,A
  - Period,T
  - Frequency,f
  - phase
- EX: human voice,electrical signal from audio tape
- advantages
  - best for transmission
  - less bandwith
  - readily placed
  - less susceptible to noise