Q1

Relationship between BIOS, CMOS, Setup and firmware:-

- **BIOS:-** (Basic Input/Output Systems)

  BIOS is a type of firmware used during the booting process (power-on/startup). BIOS firmware is built into PC's. It is a ROM chip located on all motherboards. It manages the flow between computer's operating system and attach I/O devices. It also contains Interrupt Service Routines.

- **CMOS:-** Complementary metal oxide semi conductor.

  It is the term usually used to describe the small amount of memory on computer motherboard, that stores the BIOS settings. Some of these include system date and time as well as hardware settings.

  CMOS chips are powered by battery & thus don't lose their contents when power is turned off

- ~~BIOS~~ Setup:-
  Configuration program that allows us to configure hardware settings including system settings such as computer passwords, time & date. It is inside RAM & a small battery provides power to setup chip.

- Firmware:-
  It is built-in software that company provides. It is a software that is embedded in a piece of hardware & also called "software for hardware". In short, it ~~is specific~~ provides low level control for the device's specific hardware e.g
  - traffic light has firmware
  - TV remote has firmware
  - BIOS is a type of firmware.