



# Xavier's Daily

## ➔ Challenge yourself!

*I am a hypothetical tunnel,  
a short cut if you will,  
of space-time which connects  
far away regions. I am a what?*

Ans: wormhole

## ➔ Spectrum's Corner

### Thought of the Day

You never realise how strong you are until being strong is the only option you have

### Word of the Day

*Serendipity:- occurrence or development of events by chance in a happy or beneficial way.*

*Sentence:- "Serendipity came to the rescue"*



### DID YOU KNOW?

The first version of Minecraft was created in just 6 days.

## COMPUTER TERMINOLOGY THAT YOU DIDN'T KNOW OF:

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### • CORES:

CPU is the center of all the mischief happening in the system. Sometimes it performs more than one task at a go. Thanks to the concept of cores which made it possible. A Core is center which performs operations different from the other cores. Thus cores increases the multitasking character.

### • CLOCK SPEED:

Clock Speed is the quantity used to measure the number of instructions executed per second. Thus it quantifies the processing speed of the system. A system has a base clock speed which can further be increased in most of the systems by overclocking. This may not increase the speed sometimes when the heat sink for the system is not enough for the processing speed. Thus take caution.

### • GPU:

Graphics Processing Unit is a specialised part of the system used for fast and smooth rendering of the graphics. It is generally affixed in the system. It is widely used in media processing. Additional GPU's in the form of Graphics Card can also be installed. It has 2 types

- INTEGRATED
- DISCRETE

### • MEMORY DRIVES:

#### ○ HDD:

HARD DISK DRIVE(HDD) has spinning disks inside where data is stored magnetically. The HDD has an arm with several "heads" (transducers) that read and write data on the disk. These are considered as a legacy technology and are cheap but face memory loss due to presence of moving parts and magnetic technique to store data.

#### ○ SSD:

SSDs got their name solid state because they have no moving parts. In an SSD, all data is stored in integrated circuits. Thus a magnanimous reduction in size is experienced in storing a given amount of data. But they are expensive. But they beat HDD in speed 10 on 1 as a typical 512GB Intel SSD provides 10x faster reading speed and 20x faster writing speed due to use of electrical connectivity of the parts.