What is CPU Utilisation?

It is defined as the time for which cpu resources are being used by a thread or a process in a total span of time.

Mathematically , it is calculated using the formula:

CPU Utilisation = (time which is spent for utilization / total time) * 100

Let us understand it with an example:

There are 3 processes which need to be executed and they take 5s, 6s and 9s respectively for their execution.Assume all the processes are completely executed. So the CPU utilisation in a minute will be

Time spent for utilisation = (5+6+9) s =20s
Total Time given = 1 minute = 60 seconds

So,

CPU utilisation = (20 / 60)*100 = 100/3 = 33.33 %