**Async Rust:**

One of the most valuable features in any programming language is the ability to run code simultaneously along with another piece of code and this method reduces the amount of time taken to perform any task. If we observe the hardware side of things, a CPU has multiple cores and threads to concurrently perform calculations. Rust has just been introduced to this new feature and it widens the functionality of rust even more. To obtain the outcome of an asynchronous calculation we use **.await.** These are called futures in Rust.

In rust async is different as it requires a function to start it. An executor is required to launch a task. Until then we have future which is not yet started. 