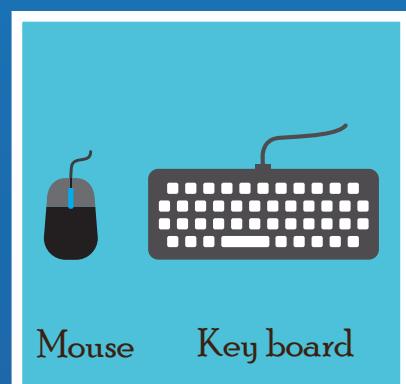
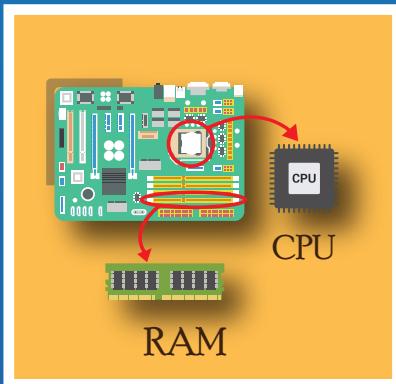


Computers work by combining **hardware** and **software**.

HARDWARE

All the parts of computer you can see and touch



SOFTWARE

Software tells a computer how to do something one step at a time.

-  Computers understand computer languages.
-  Golang, python, java and C++ are examples of languages that computers understand.
-  Programmers use these languages to give computers the instructions to do something.
-  These instructions are called a computer program

We shall learn basic Golang programming language in this book.

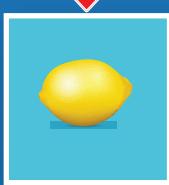
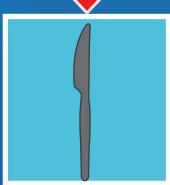
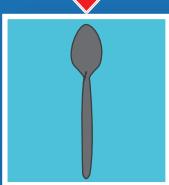


A real life example of software



Suppose you want your brother to make lemonade.
What instructions would you need to give your brother?
What would he need to make it?

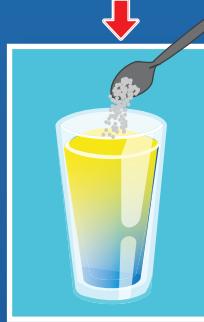
1 Take a spoon, a knife, sugar, a lemon , a glass of water



2 Cut the lemon and squeeze it into the water



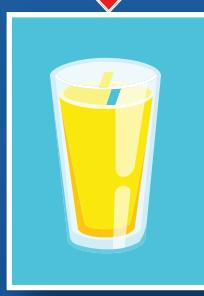
3 Add some sugar into the water



4 Stir with the spoon



5 Lemon juice is ready!



The steps to make lemonade is what software is. Step by step instructions you give to your computer in a language the computer understands is software. Just like you gave your brother step by step instructions to make lemonade. You could say that your steps are a lemonade making program for your brother!