1. **List -** A **list** (also called an array in other **programming** languages) is a tool that can be used to store multiple pieces of information at once. It can also be defined as a variable containing multiple other variables.
2. **Color Sensor** – This type of sensor can identify the color of an object by the amount of light the object reflects. Color Sensor will detect the intensity of Red, Green and Blue in color of the placed object and send it to microcontroller for further process.
3. **Light Dependent Resistor** - An LDR is a component that has a (variable) resistance that changes with the light intensity that falls upon it. Every color detected creates a different brightness therefore identifying which color the object is.
4. **Microcontroller** - A microcontroller (MCU for microcontroller unit, or UC for μ-controller) is a small computer on a single integrated circuit. The brain of the robot where the programming commands and sensor values are processed.
5. **Servo Motors** - are DC motors that are equipped with a servo mechanism for controlling precise angular position. They usually have a rotation limit ranging from 90° to 180°.
6. **Input ports** – It connects the microcontroller either to internal or external devices. For example, where you plug in the attachments to Dobot those are the input ports.
7. **Function** - is a named section of a program that performs a specific task.
8. **If-do command** – a conditional statement perform different computations or actions depending on whether a programmer-specified condition evaluates to true or false.
9. **Variable** – are used to store information to be referenced and manipulated in a computer program. You can think of them as containers that hold information.
10. **Blockly** - is a client-side JavaScript library for creating visual block programming languages and editors. It is a project of Google and is open-source under the Apache 2.0 License
11. **Cartesian coordinate system** - is a coordinate system that specifies each point uniquely in a plane by a pair of numerical coordinates
12. **Loop/Repeat** - a loop is a sequence of instruction s that is continually repeated until a certain condition is reached.