

## CS6102 - COMPUTATIONAL THINKING LAB

Week 4 – Dec 8<sup>th</sup>, 2022

1. Describe an object that is used every day. Imagine that the object has just been invented and has to describe the object.
  - a. Think about and list the attributes of the object that are needed to describe and define the object
  - b. List the behaviors of the object.
    - i. The functions / uses of the object
    - ii. What are the needs fulfilled by the object?
    - iii. The physical attributes and characteristics of the object (components or parts, shape or materials, general dimensions, connections between parts)
  - c. There are some specifications to describe all of the attributes and functions of the object:
    - i. Use clear, non-technical language, to describe the object's function, the need it fulfills and its attributes.
    - ii. Your description must be specific enough so that someone who has never seen the object could visualize it, understand how it works, and appreciate the benefits it provides.
    - iii. Describe the object using at least 150 words and listing a minimum of 6 attributes. Keep in mind that attributes should involve all of your senses. (e.g. Is it smooth? Does it make a noise? Does it have an odour?)

### **Objects that can be considered:**

**Binder clip**  
**Scissors**  
**Measuring tape**  
**Stapler**  
**Umbrella**  
**Scale**  
**Key**  
**Notebook**  
**Television**  
**Mobile phone**  
**Knife**  
**Spoon**  
**Computer**  
**Pen**  
**Printer**