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Computer Science

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A computer is a device that accepts data or inputs and processes it in some way to automatically produce a result. Similarly, a blender is a kitchen appliance that is used to liquidize and emulsify food and drinks. A blender is a household supply that acts as a computer through accepting data when identifying if the blades are capable of breaking down the substance, processing data when mixing the ingredients, and producing a result when finished blending and when presented with the perfect drink with the desired consistency.

The device typically comes in a cylindrical and transparent form where there is a handle attached to one side and there's a removable cap at the top. Also, there are buttons at the bottom to turn the machine on, turn the machine off, adjust the speed, and adjust the pressure. In the inside, there is a rotating metal blade sitting at the bottom of the blender and it is powered by an electric motor in the base. There is also a chord attached to the blender that is needed to be plugged into an outlet in order for the device to work.

The data it processes is all the food and drinks put inside the blender. For example, when making a smoothie, the data could consist of juices, fruits, and/or chia seeds. The blender is more hesitant to accept inputs that are frozen, such as frozen fruits and ice. This act of hesitancy portrays how the blender acts like a computer because it is able to identify substances that are harder to break down and understand. However, when it comes to non-frozen substances, the blender has a easy time blending the ingredients together. It'll accept any substances (data) that is able to be broken down by the blades of the blender.

The blender processes the data by emulsifying the substances put into the blender. When the blades are put to work, all of the substances are broken down and mixed to become one

substances. Going back to the smoothie example, the blender is processing the data when it combines the juices, presses down on all of the fruit to turn them into liquids, and stirring in the chia seeds.

The end result of all this processing is the final product that is inside the blender. Continuing with the smoothie case, the product of the device would be the smoothie made at the end of all the blending of substances. It is up to the person using the blender to decide when the final product has been created and when it is time to stop "processing the data".