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	PROC	GRAN	IMING	EXERC	ISE 1				
	Program yo	ur WeDo	2.0 Christmas	tree to rotate (to	o the right) with a	speed of 3 for 5	seconds then me	ove in the opposite	
	steps then	convert th	ese steps to blo	ocks in the WeDo	o 2.0 software. M	ove to the next page	ge to view the ex	ercise solution.	
			Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	
									1
	Block	1							1
	Block	2							1
	Block	3							1.
	Block	1						You may not use all fields.	
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						$\subseteq$
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Block 1						
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#### **TOPICS COVERED:**

- WeDo Output Blocks
  Book page/s: 26-27
- Programming Exercise 3
- WeDo Flow Blocks
  Book page/s: 28
- Building Exercise 3 Santa's Sled
  Programming Exercise 4
- Programming Exercise 5































































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#### HEALTHCARE:

HEAL INCARE: A flight possible advancement in healthcare is using robots in robotic surgery. Due to technological advancement, this is possible even if the patient is located in remote areas. This possiblity defies distance. With the proper tools and set-up in place, proper healthcare could be delivered to the patient even in remote areas without the corresponding risks involved.

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MILITARY: HILLIARTI In the military and public safety sectors, robotic technology is being applied in many areas. These machines can be used for surveillance and support operations on the battlefield. Military drones flying over areas of war and conflict, in hostage situations, and for natural and manmade disatters are able to assess danger levels and provide soldiers and first responders with real-time information.

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ROBOTS GOT TALENTS **TYPES OF ROBOTS** Human Controlled Robots Human Controlled Robots are usually directly controlled by humans via a method of wired/wireless connection. These robots usually work in extreme geographical conditions, weather, and circumstances. Pre-Programmed Robots Pre-programmed robots operate in a controlled environment where they do simple, monotonous tasks. An example of a pre-programmed robot would be a mechanical arm on an automotive assembly line. The arm serves one function — to weld a door on, to insert a certain part into the engine, etc. Augmenting Robots Augmenting Robots Augmenting robots either enhance current human capabilities like the exoskeletons built by Hyundai to curry heavy objects or robots that replace the capabilities a human may have lost as Robotic arms and legs. Some examples of augmenting robots are robotic prosthetic limbs or exoskeletons used to lift hefty weights. Humanoid Robota Humanoid robots are robots that look like and/or mimic human behavior. These robots usually perform human-like activities (like running, jumping and carrying objects), and are sometimes deigned to look like us, even having human faces and expressions. Autonomous Robots Autonomous robots operate independently of human perators. These robots are usually designed to carry out tasks in open environments that do not require human supervision. - 0 JingleBots Classroom Course 2021-22

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\* \* \* \* \* \* \* \* \* \* \* ROBOTS GUT TALENTS \* \* WeDo Input Blocks: The Inputs Blocks are responsible for managing the inputs received from the programming device's built in Inputs as keyboard and microphone. These Blocks are usually linked to other Blocks, as the Wait For Block, Motor Power Block, Send a message Block, Repeat Block and the Display Blocks. Blocks 123 abc JingleBots Classroom Course 2021-22



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