

# Programming a Robot



In this Activity, We will learn how to move a robot forward, backward, left and right? And finally make scripts to run the robot forward, backward, left and right using keyboard keys.

## COMPONENTS REQUIRED

evive, USB cable, Laptop/PC

NAME .....

CLASS & SECTION .....

### 1. Move forward

```
when up arrow key pressed
run motor 1 in direction forward with speed 100 %
run motor 2 in direction forward with speed 100 %
wait 0.5 seconds
lock motor 1
lock motor 2
```

### 2. Move Backward

```
when down arrow key pressed
run motor 1 in direction reverse with speed 100 %
run motor 2 in direction reverse with speed 100 %
wait 0.5 seconds
lock motor 1
lock motor 2
```

### 3. Turn Left

```
when left arrow key pressed
run motor 1 in direction reverse with speed 100 %
run motor 2 in direction forward with speed 100 %
wait 0.5 seconds
lock motor 1
lock motor 2
```

### 4. Turn Right

```
when right arrow key pressed
run motor 1 in direction forward with speed 100 %
run motor 2 in direction reverse with speed 100 %
wait 0.5 seconds
lock motor 1
lock motor 2
```

## CHALLENGE

Inside Step 1, if we run motor 1 at lesser speed than motor 2 then what will happen?

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