

Instructions for Exercise 3:

- Connect the left and right DC motors to the Crickit motor ports.
- Connect the CPX to the Crickit board and power it safely.
- Press **Button A** on the CPX to start the rover moving forward.
- Press **Button B** on the CPX to stop the rover.
- Observe how both motors run together to move the rover straight.
- Test the rover on a flat surface and be ready to stop it if needed.

Pseudocode for exercise 3:

Set Button A and Button B as input buttons

Connect left motor and right motor using Crickit

Set moving state to FALSE

REPEAT forever

 IF Button A is pressed THEN

 Print "START"

 Run both motors forward at medium speed

 Set moving state to TRUE

 ELSE IF Button B is pressed THEN

 Print "STOP"

 Stop both motors

 Set moving state to FALSE

 END IF

 Wait for a short time

END REPEAT