Section01 - Motor, Button

You can observe the movement of the Domabot based on the rotation directions of the left and right motors. Additionally, you can learn how to consider the button as a condition for a do-while loop.

Code

```
//File: sec01_mtr.btn
//Date: 01/28/2025 11:39
//Desc: Damabot; motorRight = Port A will turn CCW
//       and motorLeft = Port C will turn CW
//vers: 0.1a: test move fwd, bwd, left and right

task main() {
  byte motorPwrA, motorPwrC; //power[0,100]
  bool orangeBTNPushed, rightBTNPushed, leftBTNPushed;

  motorPwrA = motorPwrC = 50;

  TextOut(0, LCD_LINE2, ">>BTN to proceed");
  do{
    rightBTNPushed = ButtonPressed(BTNLEFT, FALSE);
  } while(!rightBTNPushed);
  ClearScreen();

  TextOut(0, LCD_LINE3, "Foward for 3SECs");
  OnFwd(OUT_A, motorPwrA);
  OnFwd(OUT_C, motorPwrC);
  Wait(SEC_7);
  PlaySound(SOUND_UP);

  ClearLine(LCD_LINE3);
  TextOut(0, LCD_LINE3, "Turn CCW for 3SECs");
  OnFwd(OUT_A, motorPwrA);
  OnRev(OUT_C, motorPwrC);
  Wait(SEC_3);
  PlaySound(SOUND_UP);

  ClearLine(LCD_LINE3);
  TextOut(0, LCD_LINE3, "Back for 3SECs");
  OnRev(OUT_A, motorPwrA);
  OnRev(OUT_C, motorPwrC);
  Wait(SEC_3);
  PlaySound(SOUND_UP);

  ClearLine(LCD_LINE3);
```

```
  TextOut(0, LCD_LINE3, "Turn CW for 3SECs");
  OnRev(OUT_A, motorPwrA);
  OnFwd(OUT_C, motorPwrC);
  Wait(SEC_3);
  PlaySound(SOUND_UP);

  Off(OUT_AC);
  PlaySound(SOUND_DOUBLE_BEEP);
  StopAllTasks();
} //end main
```