

Exercise #1

Examine with a partner what you think the following code will do. Be specific. Then enter the code, compile and download.

You will have to activate the touch sensor and motors before you compile and download

task main()

```
{
```

```
while (true)
```

```
{
```

}

}

```
if (SensorValue[S1]== 1)
{
  motor[motorB] = 25;
  motor[motorC] = 25;
}
else
{
  motor[motorB] = 0;
  motor[motorB] = 0;
}
```

## Exercise #2

Examine with a partner what you think the following code will do. Be specific. Then enter the code (not the comments, compile and download. *You will have to activate the touch sensor and motors before you compile and download* 

```
task main()
Ł
                         // Wait 3 seconds to let the robot initialize sensors.
 wait1Msec(=3000);
 while(true)
                             // Infinite loop
                                  /* Motors A and B are run */
  motor[motorC] = 75;
  motor[motorB] = 75;
                                  /* at a power level of 75 */
       if(SensorValue[S1] == 1)
                                     // If the Touch Sensor is touched (equal to 1)
      {
                                         /* Motors A and B are run */
       motor[motorC] = -75;
                                         /* at a power level of -75 */
      motor[motorB] = -75;
                                         /* for 3000 milliseconds. */
       wait1Msec(3000);
       }
 }
}
```

Did you need an *else* statement here?

Look at the bracket and make sure each has a "partner"! Where is the end bracket for the taskmain ()? Where is the end bracket for the While(true) loop?