

```
1 -----
2 --
3 --          GNAT RAVENSCAR for NXT          --
4 --          Copyright (C) 2010-2011, AdaCore --
5 --
6 -----
7
8 -- High level package for motors' optical encoders.
9
10 package NXT.Motor_Encoders is
11   pragma Elaborate_Body;
12
13   type Counters is array (Motor_Id) of Integer;
14   pragma Atomic_Components (Counters);
15
16   Encoder_Count : Counters := (others => 0);
17   -- The encoder (a rotation sensor) has a resolution of 360 counts per
18   -- complete turn of the axle, that is, one degree per counter update.
19   -- Note that the count is incremented when rotating in one direction, and
20   -- decremented when rotating in the opposite direction, so negative values
21   -- are possible.
22
23 end NXT.Motor_Encoders;
24
```