

```
1 -----
2 --
3 --          GNAT RAVENSCAR for NXT          --
4 --          Copyright (C) 2010-2011, AdaCore --
5 --
6 -----
7
8 -- Root of the NXT hierarchy, the primary interface to the NXT and AVR
9
10 package NXT is
11   pragma Pure (NXT);
12
13   type Button_Id is
14     (No_Button, Power_Button, Left_Button, Middle_Button, Right_Button);
15
16   type Sensor_Id is (Sensor_1, Sensor_2, Sensor_3, Sensor_4);
17
18   type Motor_Id is (Motor_A, Motor_B, Motor_C);
19
20   type PWM_Value is range -100 .. 100;
21   for PWM_Value'Size use 8;
22   -- bounded pulse-width modulation values
23
24   type Sensor_Power is (Standard_Power, RCX_9V, NXT_9V);
25
26   type Color is (No_Color, Black, Blue, Green, Yellow, Red, White);
27
28 private
29
30   Clock_Frequency : constant := 48_054_850;
31
32   pragma Discard_Names (Button_Id);
33   pragma Discard_Names (Sensor_Id);
34   pragma Discard_Names (Motor_Id);
35   pragma Discard_Names (Sensor_Power);
36   pragma Discard_Names (Color);
37
38 end NXT;
39
```