

```
int addit (void) {
```

```
int x = 3;
float y = 14.213;
int z = 7;
```

lint would
case mismatch

①

```
x = y * z;
```

```
(int) x = (int) y * (int) z;           = 98
(int) x = int (float) y * (float) z; = (int) 99.491
                                           = 99
```

Macro in
#define

PI 3.14159

Circumference = pi * diameter;

```
PORTD.PDR.BYTE = 0xFF;
```

x00080200 Address

oh file
define
ports based
on memory
address.

Embedded Systems

9/4/2013

(2)

Amount of RAM

x0000 0000 to
x0001 7FFF

0x18000 bytes
= 98304 / 1024
= 96k

Amount of on chip ROM (Program ROM)

~~0000 0000~~ - ~~00FF FFFF~~
~~00E~~ - ~~00FB 0000~~

0100 0000
00FB 0000

x08 0000 bytes = 512k bytes

```
if (!(data & 1)) printf ("Switch 1 pressed /n");  
if (!(data & 2)) printf ("Switch 2 pressed /n");  
if (!(data & 4)) printf ("Switch 3 pressed /n");  
if (data == 7) printf ("No switches pressed /n");
```

BUG $((data \& 7) == 7)$