

```
1 //
2 // Meter class header file for A5
3 //
4 // Hal Bettle
5 //
6 // 5 September 2008
7 //
8 #ifndef METER_H
9 #define METER_H
10
11 #include <iostream>
12 #include <iomanip>
13 using namespace std;
14
15 #include "CPTN230A5class_foot_bettle.h"
16
17 class Foot;
18
19 class Meter
20 {
21     friend class Foot;
22
23 private:
24     double meters;
25
26 public:
27     Meter();
28     Meter(double);
29     Meter(Meter &);
30     Meter(Foot &);
31     ~Meter();
32     double get_meters(void);
33
34     void operator=(Meter &);
35     void operator=(double);
36     void operator=(Foot &);
37     Meter operator-();
38     Meter operator+(const Meter &);
39     Meter operator-(const Meter &);
40     Meter operator*(const Meter &);
41     Meter operator/(const Meter &);
42     Meter operator+(const Foot &);
43     operator Foot();
44 };
45 #endif
```