```cpp
1  //
2  // Foot class header file for A5
3  //
4  // Hal Bettle
5  //
6  // 5 September 2008
7  //
8  #ifndef FOOT_H
9  #define FOOT_H
10
11 #include <iostream>
12 #include <iomanip>
13 using namespace std;
14
15 #include "CPTN230A5class_meter_bettle.h"
16
17 class Meter;
18
19 class Foot
20 {
21     friend class Meter;
22
23 private:
24     double feet;
25
26 public:
27     Foot();
28     Foot(double);
29     Foot(Foot &);
30     Foot(Meter &);
31     ~Foot();
32     double get_feet(void);
33
34     void operator=(Foot &);
35     void operator=(double);
36     void operator=(Meter &);
37     Foot operator-();
38     Foot operator+(const Foot &);
39     Foot operator-(const Foot &);
40     Foot operator*(const Foot &);
41     Foot operator/(const Foot &);
42     Foot operator+(const Meter &);
43     operator Meter();
44 };
45 #endif
```