

Common programming mistake would be multiplying the 4/3 which is not just simple BEDMAS

2.

main.c:21:13: warning: implicit declaration of function 'pow' is invalid in C99 [-Wimplicit-function-declaration]

If you leave the math.h library out then the error shown above occurs. It is because the math functions are unavailable to use and only exist in the math library. The code has already been written for us by someone kind and is available to use as a function for basic math operations.

3.

```
float x[]={4.1,4.49, 4.5, 4.51, 4.9, -4.1, -4.49, -4.5, -4.51, -4.9};
36
37
38
          int length= sizeof(x)/sizeof(x[0]);
39
          float j[10];
40
          float k[10];
41
          float 1[10];
42
43
          float m[10];
44
         // \underline{printf}("\n\\underline{rthe}\ length\ of\ the\ array\ is: %d",\ length);
45
46
47
         // printf("\n\r\n\r the third number is: g", x[3]);
48
      for(int i=0;i<<mark>length</mark>;i++)
49
50
51
              j[i]= x[i];
52
              k[i]= floorf(x[i]);
53
54
55
              l[i]= ceil(x[i]);
56
              m[i]= (int)x[i];
57
58
59
             printf("\n\r\n\r %g \t\t %g \t\t %g \t\t %g",j[i],k[i],l[i],m[i]);
60
61
          while (1)
62
          {
63
          // Add your application code
64
65
```

COM4 - PuTTY				_	×
-4.51	-5	-4	-4		^
-4.9	-5	-4	-4		
4.18879	4	5	4		
	sphere radius 1 sphere radius 2				
4.1	4	5	4		
4.49	4	5	4		
4.5	4	5	4		
4.51	4	5	4		
4.9	4	5	4		
-4.1	-5	-4	-4		
-4.49	-5	-4	-4		
-4.5	-5	-4	-4		
-4.51	-5	-4	-4		
-4.9	-5	-4	-4		V