

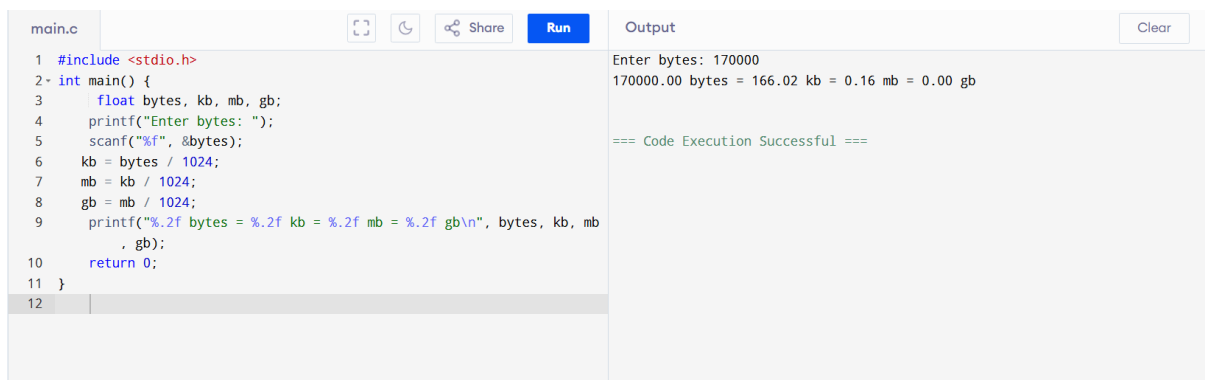
# c programming assignment 1

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## 1 13. Convert bytes into KB, MB, GB.

```
#include <stdio.h>
int main() {
    float bytes, kb, mb, gb;
    printf("Enter bytes: ");
    scanf("%f", &bytes);
    kb = bytes / 1024;
    mb = kb / 1024;
    gb = mb / 1024;
    printf("%.2f bytes = %.2f kb = %.2f mb = %.2f gb\n", bytes, kb, mb, gb);
    return 0;
}
```



The screenshot shows a C program being executed in an IDE. The code on the left defines a function `main` that prompts the user to enter a number of bytes. It then calculates the equivalent values in kilobytes (KB), megabytes (MB), and gigabytes (GB) by dividing by 1024. The output on the right shows the user entered 170000, and the program calculated 170000.00 bytes, 166.02 KB, 0.16 MB, and 0.00 GB. The execution was successful.

```
main.c  Run  Output  Clear
1 #include <stdio.h>
2 int main() {
3     float bytes, kb, mb, gb;
4     printf("Enter bytes: ");
5     scanf("%f", &bytes);
6     kb = bytes / 1024;
7     mb = kb / 1024;
8     gb = mb / 1024;
9     printf("%.2f bytes = %.2f kb = %.2f mb = %.2f gb\n", bytes, kb, mb
10     , gb);
11     return 0;
12 }
```

Enter bytes: 170000  
170000.00 bytes = 166.02 kb = 0.16 mb = 0.00 gb

=== Code Execution Successful ===

Figure 1: program 13