

Magic 8 Ball

Write a program that replicates the classic Magic 8 Ball toy from the 1960's. Your program (like the original 8 Ball) will not pay any attention to the user's question—it will simply take the question and discard it. Then it always gives one of several "canned" answers. The original Magic 8 Ball had the answers printed on the sides of two eight-sided dice.



Start with this code (it sets up a random number):

```
#include <iostream>
#include <cstdlib>
using namespace std;

int main()
{
    //uses time to "seed" the random number
    srand((unsigned) time(NULL));
    //int random = offset + (rand() % range);
    int num = 1 + (rand()%16);

    if(num==1)
        cout<<"Outlook not so good";

}
```

Add a title and a question:

Welcome to the Magic 8 Ball!

What is your question? Will it rain tomorrow?

The Magic 8 Ball responds:

Then, you will add to the if section. Instead of one response (it is certain), add all sixteen of the different responses.

```
if(num==2)
    cout<<"Don't count on it";
```

The original 16 answers to go in your if statements are (choose 8):

- | | |
|--------------------------|-------------------------------|
| 1. outlook not so good | 9. most likely |
| 2. don't count on it | 10. you may rely on it |
| 3. my sources say no | 11. cannot predict now |
| 4. without a doubt | 12. outlook good |
| 5. reply hazy, try again | 13. better not tell you now |
| 6. it is certain | 14. very doubtful |
| 7. my reply is no | 15. yes definitely |
| 8. as I see it yes | 16. concentrate and ask again |

Compiler: [https://www.onlinegdb.com/online c++ compiler](https://www.onlinegdb.com/online_c++_compiler)