

# 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