

CS232 Exam: Display A Cube

Create a two dimensional cube

User requirements:

- Create a program that generates a hex puzzle solution (see Figure 1).

<pre>Enter a side value: 5 ***** * ** * * * * * * ***** * * * * * * * ** ***** Press any key to continue . . .</pre>	<pre>Enter a side value: 7 ***** * ** * * * * * * * * * * * * ***** * * * * * * * * * * * * * * * ***** Press any key to continue . . .</pre>
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Figure 1: Sample run of the program

Software requirements:

- You must use the following header file.

```
#include<string>
using namespace std;

class Cube {
private:
    int side;
    int stars;
    int spaceBefore;
    int spaceBetween;
    int spacesOnRightFace;
    int row;
    int col;
    string output;

public:
    Cube();
    int getSide();
    void setSide(int sidePar);
    void displayCube();
    void drawSpaces(int numOfSpaces);
    void drawStars(int numOfStars);
};
```