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

```
class Matrix{
```

```
public:
```

```
void createMatrix (int a=5) {
```

```
    int i=n-1;
```

```
    int j = (n-1)/2;
```

```
    for (int k=1; k<=a*a; k++) {
```

```
        a[i][j] = k++;
```

```
        i++;
```

```
        j--;
```

```
        if (k%a==0) {
```

```
            i = i-2;
```

```
        } j++;
```

```
        if (j==-1) {
```

```
            j = a-1;
```

```
        }
```

```
        if (i==a) {
```

```
            i = 0;
```

```
        }
```

```
    }
```

```
void DisplayMatrix () {
```

```
    for (int i=0; i<5; i++) {
```

```
        for (int j=0; j<5; j++) {
```

```
            cout << a[i][j] << " ";
```

```
        }
```

```
        cout << "\n";
```

```
    }
```

```
int main() {  
    cout << "Enter odd n: ";  
    cin int n  
    cin >> n;
```

```
    Matrix m;  
    m.createMagicMatrix(n);  
    m.displayMatrix();
```

```
    return 0;  
}
```