Magic Square :

```
class magicSquare { static void
generateSquare(int n) {
 int[][] magicSquare = new int[n][n];
int i = n / 2;
 int j = n - 1;
 for (int num = 1; num <= n * n;) {
 if (i == -1 && j == n) {
 j = n - 2;
i = 0; } else {
if (j == n) {
j = 0;
 }
if (i < 0) {
i = n - 1;
 }
 }
 if (magicSquare[i][j] != 0) {
j -= 2; i++;
continue;
 } else {
 magicSquare[i][j] = num++;
 }
j++;
i--; }
 System.out.println("The Magic Square for " + n + ":");
 System.out.println("Sum of each row or column " + n * (n * n + 1) / 2 + ":");
for (i = 0; i < n; i++) {
 for (j = 0; j < n; j++) {
 System.out.print(magicSquare[i][j] + " ");
 }
 System.out.println();
 }
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 }
 public static void main(String[] args){
int n = 3; generateSquare(n);
 }
}
```

```
The Magic Square for 3:
Sum of each row or column 15:
2 7 6
9 5 1
4 3 8
```