

Ques 11:
n = 5

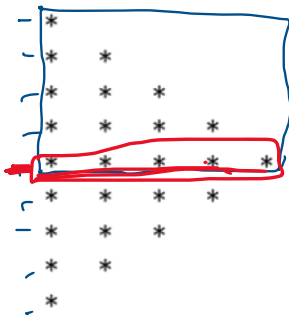


space = n - 1

star = 1 3

```
i = 1
while(i <= star) {
    if(i % 2 == 0) {
        cout(" ")
    } else {
        cout("*")
    }
}
```

Ques 13:
n = 5



~~row < n + 2 = 1~~

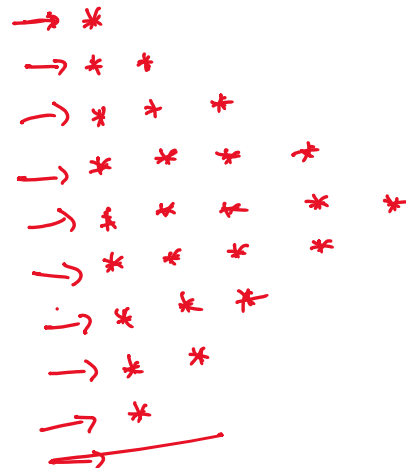
(row <= n * 2 - 1)

(row < n) star++
else star--

```
int n = 5;
int star = 1;
int row = 1;
while (row <= n * 2 - 1) {
    //Star
    int col = 1;
    while (col <= star) {
        System.out.print(" ");
        col++;
    }
    //Next line prep
    if (row < n) {
        star++;
    } else {
        star--;
    }
    row++;
    System.out.println();
}
```

2 < 5
3 < 5
4 < 5
5 < 5
6 < 5
7 < 5
8 < 5
9 < 5
star = 1 3 5 7 9
row = 1 2 3 4 5

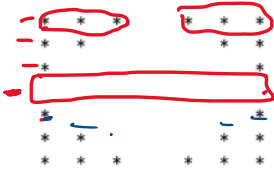
1 < 5
2 < 5
3 < 5
4 < 5
5 < 5
6 < 5
7 < 5
8 < 5
9 < 5



Ques 14:
n = 5



n = 7



→ * * * _ * * *

$$n/2 = 3+1$$

$$n/2 = \boxed{3+1}$$

row = 1
star = n/2
space = 1

while(row <= n){

// star
int i = 1
while(i <= star){
 cout << "*" << endl
 i++

// space
int j = 1
while(j <= space){
 cout << " " << endl
 j++

star

[

if(row <= n/2){
 star--
 space++
} else {
 star++
 space--
}
row++
cout << endl