

$$\text{space} = n - 1$$

$$\text{star} = 13$$

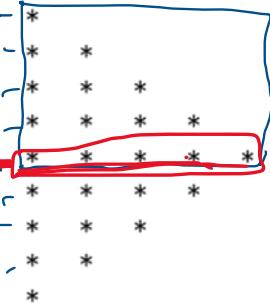
Ques 11:  
n = 5

→ 

$i = 1$   
 $\text{while}(i \leq \text{star}) \{$   
 $\quad \text{if}(i \% 2 == 0) \{$   
 $\quad \quad \text{cout}(\cdot)$

$\quad \text{else} \}$   
 $\quad \text{cout}(\ast)$

Ques 13:  
n = 5



~~$\text{row} \leq n \neq i - 1$~~

$(\text{row} \leq n * 2 - 1)$

$(\text{row} < n) \text{star}++$   
 $\text{else} \quad \text{star}--$

$2 \leq 9$   
 $3 \leq 9 \quad 10 \leq 9$   $\text{star} = 1484 \quad \text{row} = 14$   
 $4 \leq 9$   
 $5 \leq 9$   
 $6 \leq 9$   
 $7 \leq 9$   
 $8 \leq 9$   
 $9 \leq 9$   
 $10 \leq 9$   
 $11 \leq 9$   
 $12 \leq 9$   
 $13 \leq 9$   
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 $31 \leq 9$   
 $32 \leq 9$   
 $33 \leq 9$   
 $34 \leq 9$   
 $35 \leq 9$   
 $36 \leq 9$   
 $37 \leq 9$   
 $38 \leq 9$   
 $39 \leq 9$   
 $40 \leq 9$

```
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();
}
```

$1 \leq 5$   
 $2 \leq 5$   
 $3 \leq 5$   
 $4 \leq 5$   
 $5 \leq 5$   
 $6 \leq 5$   
 $7 \leq 5$   
 $8 \leq 5$   
 $9 \leq 5$   
 $10 \leq 5$   
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 $35 \leq 5$   
 $36 \leq 5$   
 $37 \leq 5$   
 $38 \leq 5$   
 $39 \leq 5$   
 $40 \leq 5$

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**Ques 14:**

n = 5

A photograph of a liver specimen. A red line is drawn across the top portion of the liver, and a red rectangular box highlights a specific area in the lower right quadrant.

$$n = 7$$

$$\frac{n}{2} = \frac{3+1}{3+1}$$

$$\begin{aligned} \text{row} &= 1 \\ \frac{\text{star}}{\text{Space}} &= n/2 \\ \text{Space} &= 1 \end{aligned}$$

while( $row \leq h$ ) {

↓ \* \* \* \* — \* \* \*

```
//5tarz
int i = "
while(i<=star){}
    sout (*)
        i++"
//3space
int j = 1
while(j<=space)
    sout( )
        j++"
rsfaz
[
```

```

if (row < n/2)
    start--
    space -= 2
}
else {
    start++
    space -= 2
}
row ++
out()

```