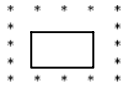


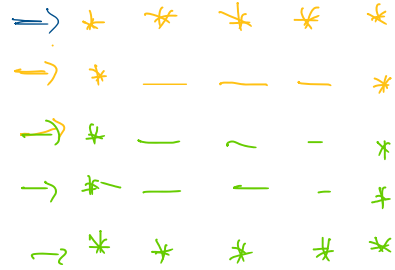
Ques 7:
n = 5



→

star = $\frac{5}{2}$ row = 1 2 3 4 5 n = 5

```
while(row <= n){
    //star
    int i = 1;
    while(i <= star){
        if(row == 1 || i == 1 || row == n || i == n){
            cout << "*";
        } else {
            cout << " ";
        }
        i++;
    }
    //next line prep
    row++;
    cout << "\n";
}
```



Ques 8:
n = 5



$5 + 1 = 6 - 1 = 5 == n = T$
 $2 + 4 = 6 - 1 = 5 == n = T$
 $1 + 4 = 5 - 1 = 4 == n = F$

$(r == i || i + r - 1 == n)$

Ques 9:
n = 5



→ - - - - *

space = $\frac{n-1}{2}$

star = 1

```
while(row <= n){
```

```
    //space
    int i = 1;
    while(i <= space){
        cout << " ";
        i++;
    }
```

```
    //star
    int j = 1;
    while(j <= star){
        cout << "*";
        j++;
    }
}
```

```
}  
space--  
size f=2, row f+;
```