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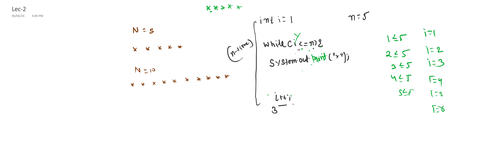
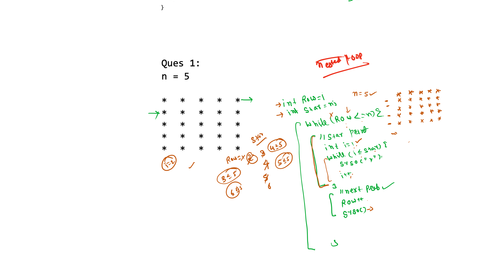
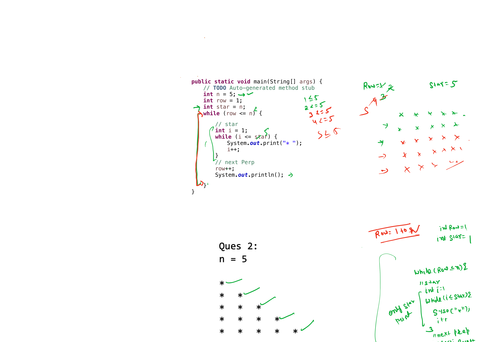
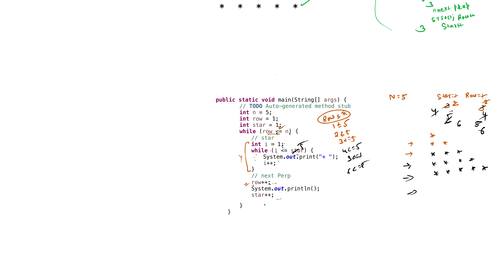


```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int i = 1;
    int start = n-1;
    while (i <= start) {
        System.out.print("+ ");
        i++;
    }
}
```

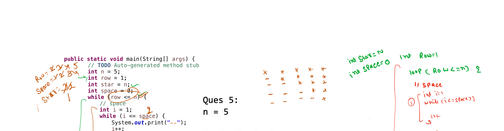


Ques 1:
n = 5

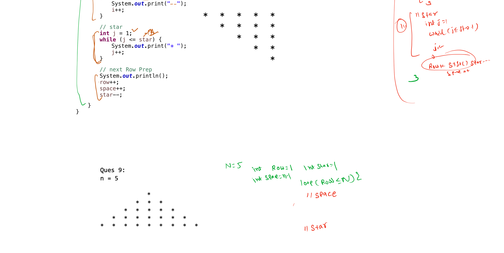




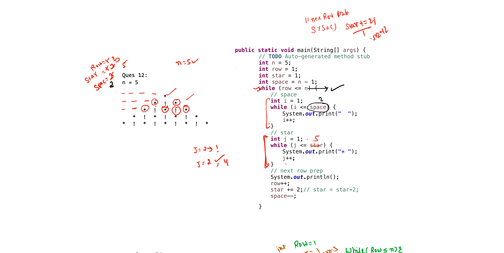
```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int row = 1;
    int star = n;
    while (row <= n) {
        // star
        int i = 1;
        while (i <= star) {
            System.out.print("* ");
            i++;
        }
        // next Perp
        row++;
        System.out.println();
    }
}
```



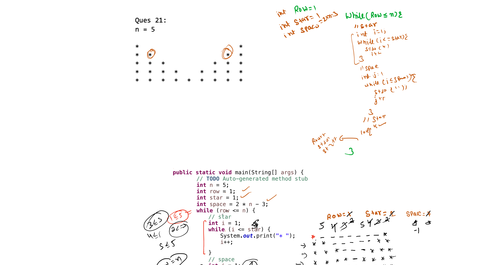
Ques 2:
n = 5



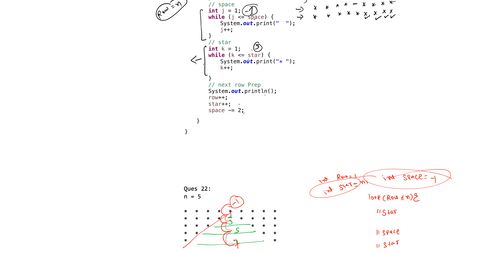
```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int row = 1;
    int star = 1;
    while (row <= n) {
        // star
        int i = 1;
        while (i <= star) {
            System.out.print("* ");
            i++;
        }
        // next Perp
        row++;
        System.out.println();
        star++;
    }
}
```



Ques 5:
n = 5



```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int row = 1;
    int star = n-1;
    int space = 0;
    while (row <= n) {
        // space
        int i = 1;
        while (i <= space) {
            System.out.print("_");
            i++;
        }
        // star
        int j = 1;
        while (j <= star) {
            System.out.print("* ");
            j++;
        }
        // next Row Prep
        System.out.println();
        row++;
        space++;
        star--;
    }
}
```



Ques 9:
n = 5

Ques 12:
n = 5


```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int row = 1;
    int star = 1;
    int space = n - 1;
    while (row <= n) {
        // star
        int i = 1;
        while (i <= star) {
            System.out.print("  ");
            i++;
        }
        // space
        int j = 1;
        while (j <= space) {
            System.out.print("* ");
            j++;
        }
        // next row Prep
        System.out.println();
        row++;
        star += 2;// star = star+2;
        space--;
    }
```


Ques 21:
n = 5


```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int n = 5;
    int row = 1;
    int star = 1;
    int space = 2 * n - 3;
    while (row <= n) {
        // star
        int i = 1;
        while (i <= star) {
            System.out.print("* ");
            i++;
        }
        // space
        int j = 1;
        while (j <= space) {
            System.out.print("  ");
            j++;
        }
        // star
        int k = 1;
        while (k <= star) {
            System.out.print("* ");
            k++;
        }
        // next row Prep
        System.out.println();
        row++;
        star++;
        space -= 2;
    }
}
```

Ques 22:
n = 5


```
public static void main(String[] args) {
    int n = 5;
    int row = 1;
    int star = n;
    int space = -1;
    while (row <= n) {
        // star
        int i = 1;
        while (i <= star) {
            System.out.print("* ");
            i++;
        }
        // space
        int j = 1;
        while (j <= space) {
            System.out.print("  ");
            j++;
        }
        // star
        int k = 1;
        while (k <= star) {
            System.out.print("* ");
            k++;
        }
        // next row Prep
        System.out.println();
        row++;
        star--;
        space += 2;
    }
}
```