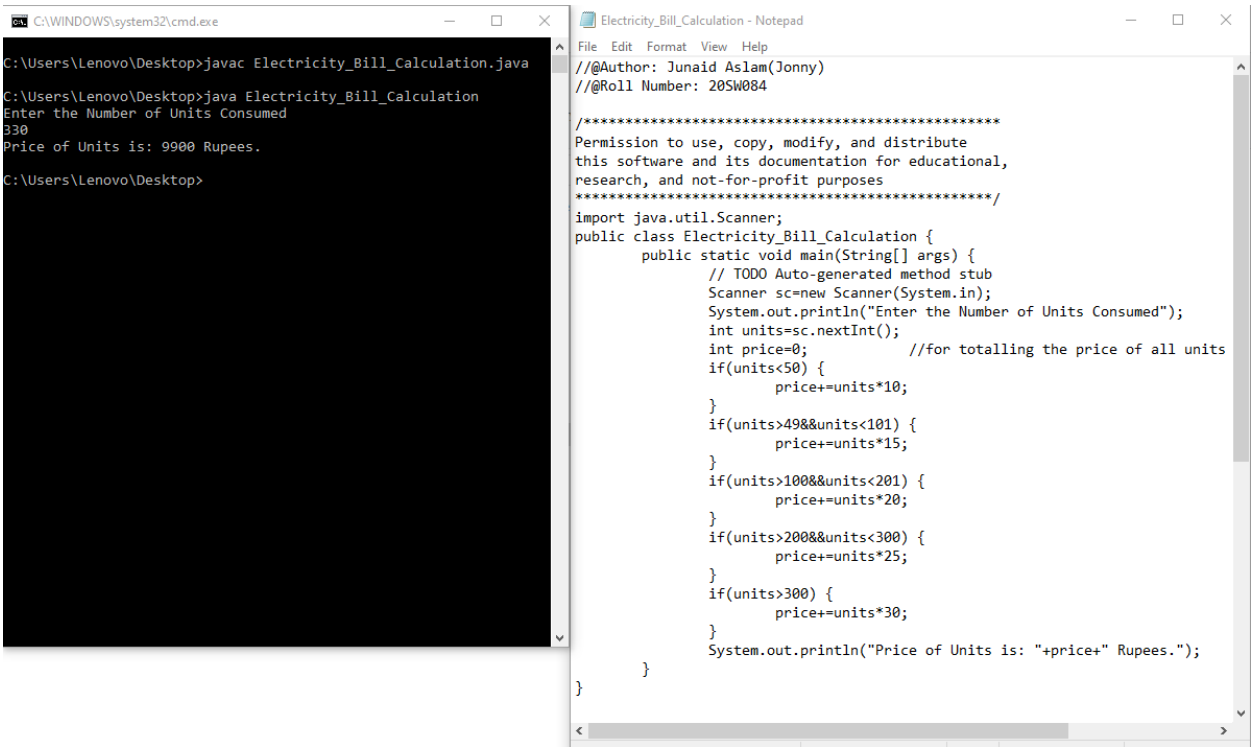
Output Screenshot's

Task 1:



```
C:\Users\Lenovo\Desktop>javac Electricity_Bill_Calculation.java

C:\Users\Lenovo\Desktop>java Electricity_Bill_Calculation
Enter the Number of Units Consumed
330
Price of Units is: 9900 Rupees.

C:\Users\Lenovo\Desktop>
```

```
//@Author: Junaid Aslam(Jonny)
//@Roll Number: 20SW084

/***********************************************
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research, and not-for-profit purposes
***********************************************/
import java.util.Scanner;
public class Electricity_Bill_Calculation {
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter the Number of Units Consumed");
		int units=sc.nextInt();
		int price=0;		//for totalling the price of all units
		if(units<50) {
			price+=units*10;
		}
		if(units>49&&units<101) {
			price+=units*15;
		}
		if(units>100&&units<201) {
			price+=units*20;
		}
		if(units>200&&units<300) {
			price+=units*25;
		}
		if(units>300) {
			price+=units*30;
		}
		System.out.println("Price of Units is: "+price+" Rupees.");
	}
}
```
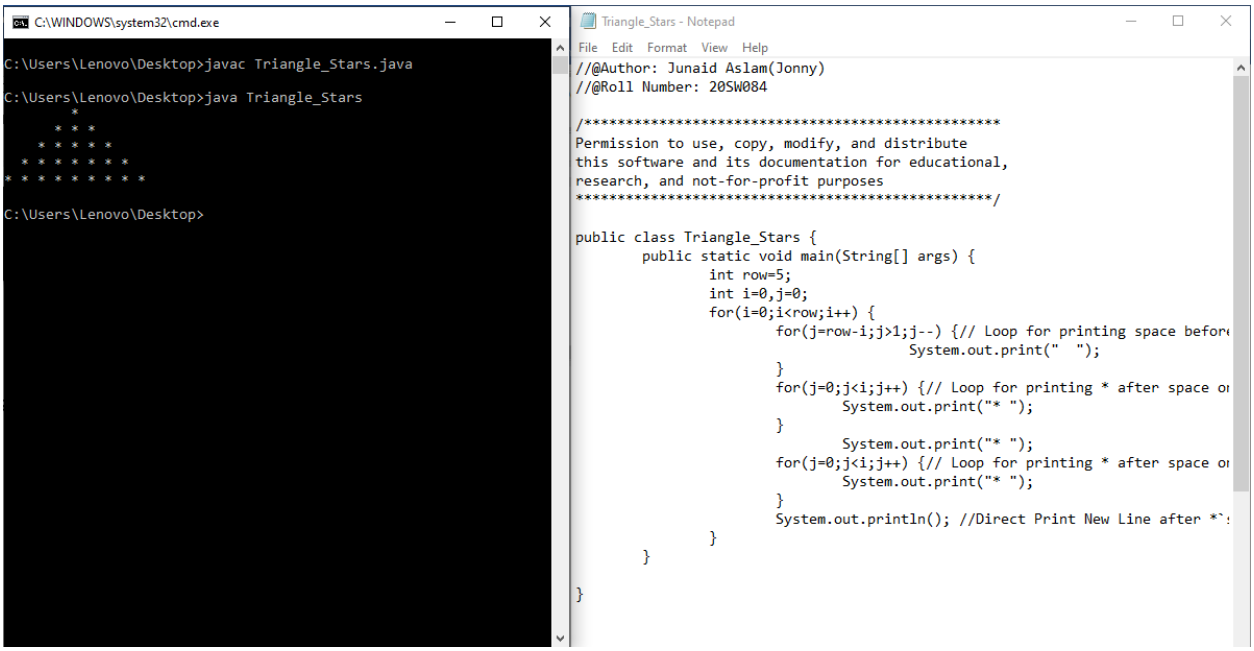

Task 2:

(i) Print Stars Triangle:



```
C:\Users\Lenovo\Desktop>javac Triangle_Stars.java

C:\Users\Lenovo\Desktop>java Triangle_Stars
    *
   * * *
  * * * * *
 * * * * * * *
* * * * * * * * *

C:\Users\Lenovo\Desktop>
```

```
//@Author: Junaid Aslam(Jonny)
//@Roll Number: 20SW084

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public class Triangle_Stars {
	public static void main(String[] args) {
		int row=5;
		int i=0,j=0;
		for(i=0;i<row;i++) {
			for(j=row-i;j>1;j--) {// Loop for printing space before
				System.out.print("  ");
			}
			for(j=0;j<i;j++) {// Loop for printing * after space or
				System.out.print("* ");
			}
				System.out.print("* ");
			for(j=0;j<i;j++) {// Loop for printing * after space or
				System.out.print("* ");
			}
			System.out.println(); //Direct Print New Line after *`s
		}
	}

}
```
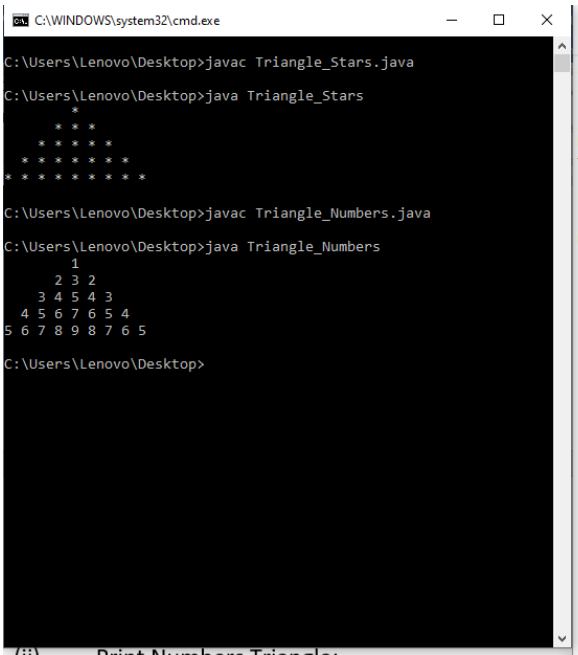
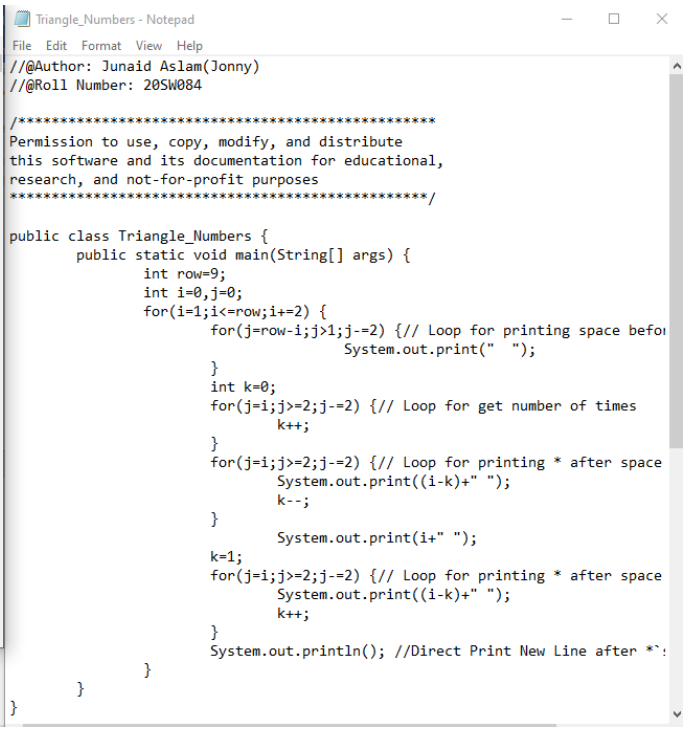
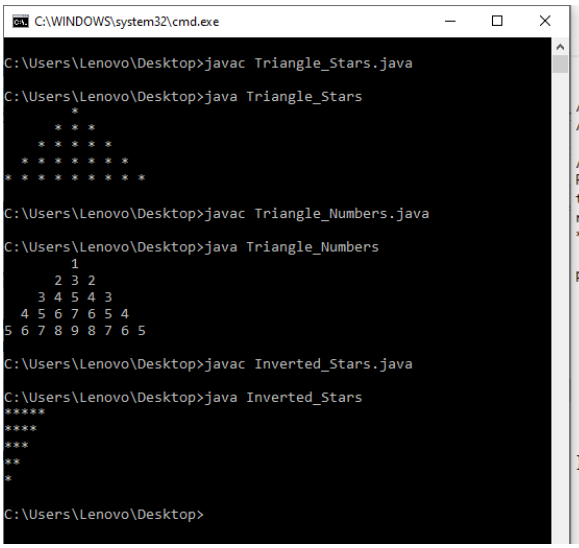

(ii) Print Numbers Triangle:



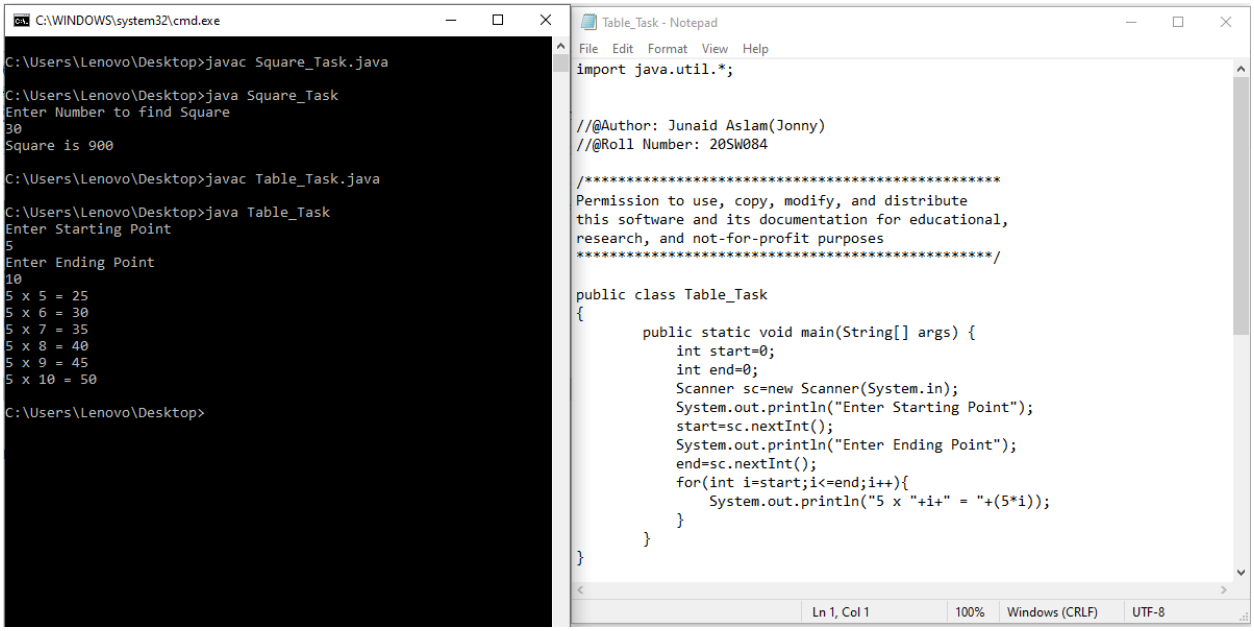


(ii) Print Numbers Triangle:

(iii) Inverted Right Triangle:



Task 3:


C:\WINDOWS\system32\cmd.exe
C:\Users\Lenovo\Desktop>javac Square_Task.java
C:\Users\Lenovo\Desktop>java Square_Task
Enter Number to find Square
30
Square is 900
C:\Users\Lenovo\Desktop>javac Table_Task.java
C:\Users\Lenovo\Desktop>java Table_Task
Enter Starting Point
5
Enter Ending Point
10
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
C:\Users\Lenovo\Desktop>
Table_Task - Notepad
File Edit Format View Help
import java.util.*;
//@Author: Junaid Aslam(Jonny)
//@Roll Number: 20SW084
/**********
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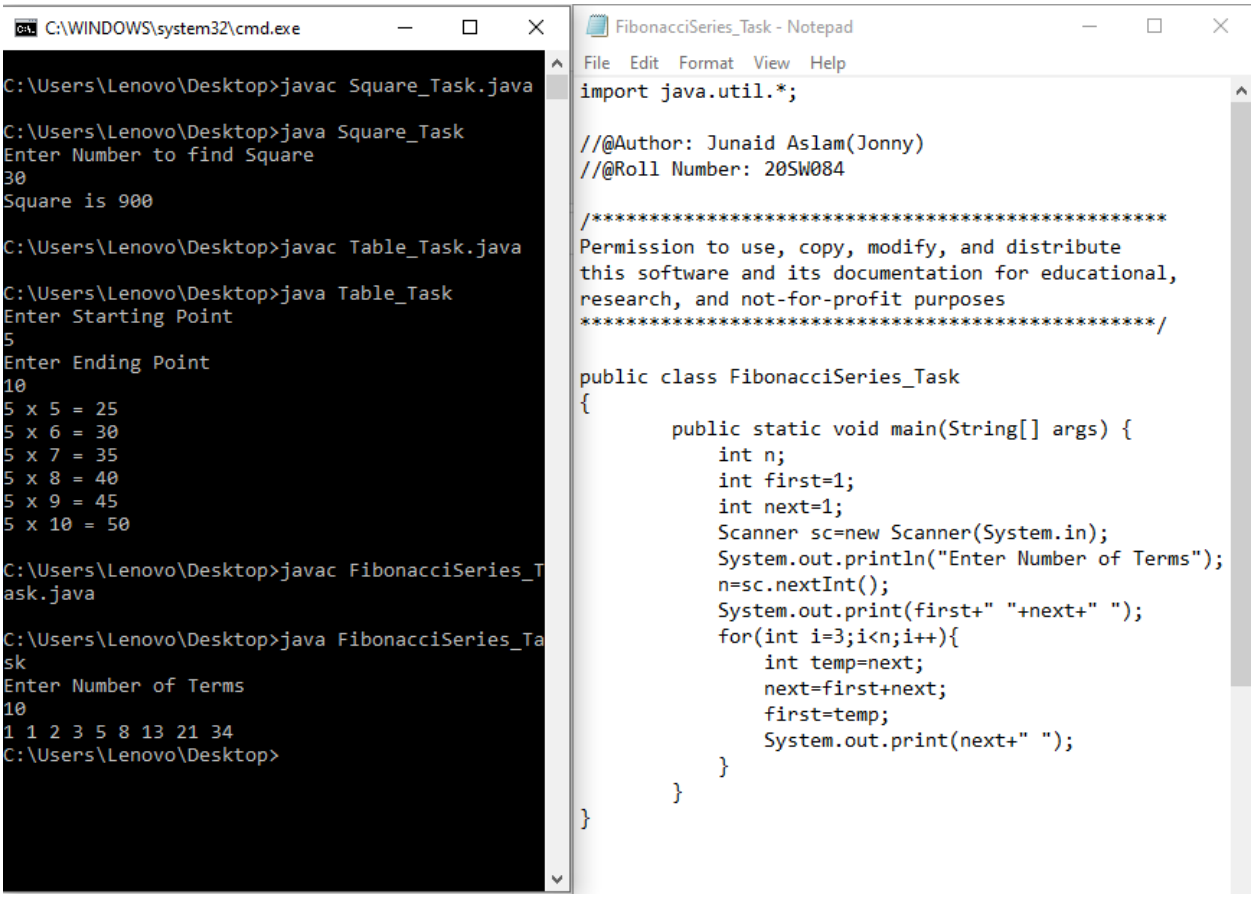
research, and not-for-profit purposes
**********/
public class Table_Task
{
public static void main(String[] args) {
int start=0;
int end=0;
Scanner sc=new Scanner(System.in);
System.out.println("Enter Starting Point");
start=sc.nextInt();
System.out.println("Enter Ending Point");
end=sc.nextInt();
for(int i=start;i<=end;i++){
System.out.println("5 x "+i+" = "+(5*i));
}
}
}
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8

Task 4:


C:\WINDOWS\system32\cmd.exe
C:\Users\Lenovo\Desktop>javac Square_Task.java
C:\Users\Lenovo\Desktop>java Square_Task
Enter Number to find Square
30
Square is 900
C:\Users\Lenovo\Desktop>javac Table_Task.java
C:\Users\Lenovo\Desktop>java Table_Task
Enter Starting Point
5
Enter Ending Point
10
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
C:\Users\Lenovo\Desktop>javac FibonacciSeries_T
ask.java
C:\Users\Lenovo\Desktop>java FibonacciSeries_Ta
sk
Enter Number of Terms
10
1 1 2 3 5 8 13 21 34
C:\Users\Lenovo\Desktop>
FibonacciSeries_Task - Notepad
File Edit Format View Help
import java.util.*;
//@Author: Junaid Aslam(Jonny)
//@Roll Number: 20SW084
/**********
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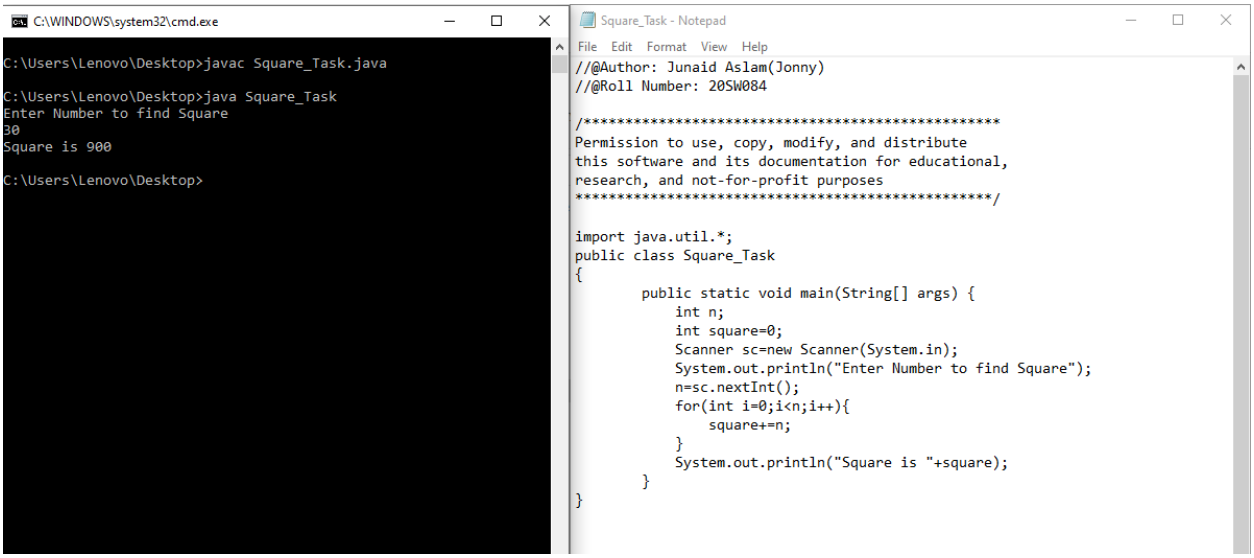
research, and not-for-profit purposes
**********/
public class FibonacciSeries_Task
{
public static void main(String[] args) {
int n;
int first=1;
int next=1;
Scanner sc=new Scanner(System.in);
System.out.println("Enter Number of Terms");
n=sc.nextInt();
System.out.print(first+" "+next+" ");
for(int i=3;i<n;i++){
int temp=next;
next=first+next;
first=temp;
System.out.print(next+" ");
}
}
}

Task 5:


C:\WINDOWS\system32\cmd.exe
C:\Users\Lenovo\Desktop>javac Square_Task.java
C:\Users\Lenovo\Desktop>java Square_Task
Enter Number to find Square
30
Square is 900
C:\Users\Lenovo\Desktop>
Square_Task - Notepad
File Edit Format View Help
//@Author: Junaid Aslam(Jonny)
//@Roll Number: 20SW084
/**********
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**********/
import java.util.*;
public class Square_Task
{
public static void main(String[] args) {
int n;
int square=0;
Scanner sc=new Scanner(System.in);
System.out.println("Enter Number to find Square");
n=sc.nextInt();
for(int i=0;i<n;i++){
square+=n;
}
System.out.println("Square is "+square);
}
}