**A screenshot of a computer

Description automatically generated**

**Program for Right Half Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if(j<=i){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program for Left Half Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if((i+j)>=n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer program

Description automatically generated**

**Program for Inverted Right Half Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if((i+j)<=n-1){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program for Inverted Left Half Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if(j>i){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screen shot of a computer

Description automatically generated**

**Program for Full Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=10;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if((i+j>=n) && (i>=j)){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program to Print Inverted Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=10;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if(j>=i && (i+j)<=n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

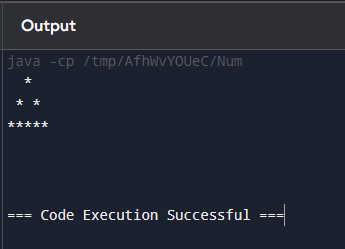
**}**

**System.out.println();**

**}**

**}**

**}**

****

**Program to Print Hallow Pyramid**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<n;i++){**

**for(int j=0;j<n;j++){**

**if(i==2 || j==n/2+i || j==n/2-i){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer program

Description automatically generated**

**Program to Print Inverted Hallow Pyramid**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<n;i++){**

**for(int j=0;j<n;j++){**

**if(i==n/2+j || i+j==6 || i==2){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screen shot of a computer

Description automatically generated**

**Program to print Hourglass Pyramid:**

**public class Num {**

**public static void main(String[] args) {**

**int n=10;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if((i+j>=n) && (i>=j) || j>=i && (i+j)<=n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

A screenshot of a computer program

Description automatically generated

**Program to Print Rhombus:**

**public class Num {**

**public static void main(String[] args) {**

**int n = 4;**

**for (int i = 0; i < n; i++) {**

**for (int j = 0; j < n - i - 1; j++) {**

**System.out.print(" ");**

**}**

**for (int j = 0; j < n; j++) {**

**System.out.print("\*");**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer program

Description automatically generated**

**Program to Print Square**

**public class Num {**

**public static void main(String[] args) {**

**int n=3;**

**for(int i=0;i<n;i++){**

**for(int j=0;j<n;j++){**

**if(i>=0){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer program

Description automatically generated**

**Program to Print Rectangle**

**public class Num {**

**public static void main(String[] args) {**

**int n=4;**

**for(int i=1;i<n;i++){**

**for(int j=0;j<=n;j++){**

**if(i>=0){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program to Print Hollow Square**

**public class Num {**

**public static void main(String[] args) {**

**int n=3;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if (i == 0 || j == 0 || i == n || j == n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**A white stars in a diamond shape

Description automatically generated**

**Program to Print Diamond:**

**public class Num {**

**public static void main(String[] args) {**

**int n=10;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if((i+j>=n) && (i>=j)){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if(j>=i && (i+j)<=n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer program

Description automatically generated**

**Program to Print Hallow Diamond**

**public class Num {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<n;i++){**

**for(int j=0;j<n;j++){**

**if(i==n/2+j || i+j==6 || j==n/2+i || j==n/2-i){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program to print Hollow Compass:**

**public class Num {**

**public static void main(String[] args) {**

**int n=6;**

**for(int i=0;i<=n;i++){**

**for(int j=0;j<=n;j++){**

**if(i==j || i+j==n || i==0 || i==n){**

**System.out.print("\*");**

**}**

**else{**

**System.out.print(" ");**

**}**

**}**

**System.out.println();**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program to Print FLOYD’S Pattern:**

**1**

**2 3**

**4 5 6**

**7 8 9 10**

**public class Num{**

**public static void main(String args[]){**

**int n=1;**

**for(int i=0;i<4;i++){**

**for(int j=0;j<=i;j++){**

**System.out.print(n++);**

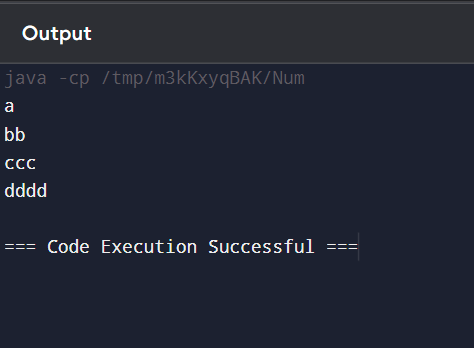
**}**

**System.out.print("\n");**

**}**

**}**

**}**

****

**Program to Print Alphabetic Pattern:**

**public class Num{**

**public static void main(String args[]){**

**char n[]={'a','b','c','d'};**

**for(int i=0;i<n.length;i++){**

**for(int j=0;j<=i;j++){**

**System.out.print(n[i]);**

**}**

**System.out.print("\n");**

**}**

**}**

**}**

**A screenshot of a computer

Description automatically generated**

**Program for Numeric Triangle**

**public class Num{**

**public static void main(String args[]){**

**for(int i=1;i<5;i++){**

**for(int j=0;j<i;j++){**

**System.out.print(i);**

**}**

**System.out.print("\n");**

**}**

**}**

**}**