Pattern Programs

1)

class Main {

public static void main(String[] args) {

int n =4;

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

{

for (int j=1; j<=i; j++)

{

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

}

System.out.println();

}

}

}

Output:

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2)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for(int space=1;space<=(n-row);space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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3)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int star=1; star<=(n-row)+1; star++)

{

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

}

System.out.println();

}

}

}

Output:

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4)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=row-1; space++)

{

System.out.print(" ");

}

for (int star=1; star<=(n-row)+1; star++)

{

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

}

System.out.println();

}

}

Output:

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6)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=n-row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

for (int star=1; star<=row-1; star++)

{

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

}

System.out.println();

}

}

}

Output:

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7)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=row-1; space++)

{

System.out.print(" ");

}

for (int star=1; star<=(n-row)+1; star++)

{

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

}

for (int star=1; star<=n-row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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8)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=n-row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

for (int star=1; star<=row-1; star++)

{

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

}

System.out.println();

}

for (int row=2; row<=n; row++)

{

for (int space=1; space<=row-1; space++)

{

System.out.print(" ");

}

for (int star=1; star<=(n-row)+1; star++)

{

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

}

for (int star=1; star<=n-row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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9)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int star=1; star<=n; star++)

{

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

}

System.out.println();

}

}

}

Output:

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10)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=(2\*n)-row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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11)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=n-row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

System.out.println();

}

for (int row=1; row<=n; row++)

{

for (int space=1; space<=row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=n-row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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12)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=row-1; space++)

{

System.out.print(" ");

}

for (int star=1; star<=n-3; star++)

{

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

}

System.out.println();

}

}

}

Output:

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13)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=n-row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=n-3; star++)

{

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

}

System.out.println();

}

}

}

Output:

\*

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14)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int star1=1; star1<=row; star1++)

{

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

}

for (int space=1; space<=(n-row)\*2; space++)

{

System.out.print(" ");

}

for (int star2=1; star2<=row; star2++)

{

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

}

System.out.println();

}

}

}

Output:

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15)

class Main {

public static void main(String[] args) {

int n =4;

for (int row=1; row<=n; row++)

{

for (int space=1; space<=(n-row); space++)

{

System.out.print(" ");

}

for (int star=1; star<=row; star++)

{

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

}

System.out.println();

}

for (int row=1; row<=n; row++)

{

for (int space=1; space<=row; space++)

{

System.out.print(" ");

}

for (int star=1; star<=n-row; star++)

{

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

}

System.out.println();

}

}

}

Output:

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