JAVA ASSIGNMENT – 7 (SOLUTION)

SOLUTION 1 :

public class SandglassPattern

{ public static void main(String[] args)

{ int i, j, k, n;

Scanner sc = new Scanner(System.in);

System.out.print("Enter the number of rows you want to print: ");

n = sc.nextInt();

for (i= 0; i<= n-1 ; i++)

{

for (j=0; j<i; j++)

{ System.out.print(" ");

}

for (k=i; k<=n-1; k++)

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

}

System.out.println("");

}

for (i= n-1; i>= 0; i--)

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

{ System.out.print(" ");

}

for (k=i; k<=n-1; k++)

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

}

System.out.println("");

}

sc.close();

}

}

SOLUTION 2 :

class alphapattern

{ public static void main(String args[])

{ int i,j;

int n=5;

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

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

{ System.out.print((char)(j+64));

}

System.out.println("");

}

}

}

SOLUTION 3 :

public class zeroandone

{ public static void main(String[] args)

{ int i, j, rows=9;

for (i = 1; i <= rows; i++)

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

{ if(j%2 == 0)

{ System.out.print(0);

}

else

{ System.out.print(1);

}

}

System.out.println();

}

}

}

SOLUTION 4 :

public class descPattern

{

public static void main(String[] args)

{

int i, j, rows;

Scanner sc = new Scanner(System.in);

System.out.print("Enter the number of rows youy want to print: ");

rows = sc.nextInt();

for (i = rows; i >= 1; i--)

{

for (j = rows; j >= i; j--)

{

System.out.print(j+" ");

}

System.out.println();

}

}

}

SOLUTION 5 :

public class Pattern8

{ public static void main(String[] args)

{ int rows=9; //number of rows to print

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

{

int num;

if(i%2 == 0)

{ num = 0;

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

{ System.out.print(num);

num = (num == 0)? 1 : 0;

}

}

else

{ num = 1;

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

{ System.out.print(num);

num = (num == 0)? 1 : 0;

}

}

System.out.println();

}

}

}