**Programs and Outputs :**

**1. Star-Pattern program**

**Code :**

**public** **class** StartPattern2 {

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

{

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

{

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

{

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

}

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

}

}

}

**Output :**

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**2. Star-Pattern program**

**Code :**

**import java.util.\*;**

**class StarPrint**

**{**

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

**{**

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

**{**

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

**{**

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

**}**

**for (int k = i; k <= 5; k++)**

**{**

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

**}**

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

**}**

**for (int i = 4; i >= 1; i--)**

**{**

**for (int j = 2; j <=i; j++)**

**{**

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

**}**

**for (int k = i; k <= 5; k++)**

**{**

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

**}**

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

**}**

**}**

**}**

**Output :**

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**3. Star-Pattern program**

**Code :**

**class** StarPrint

{

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

{

**int** num=1;

**char** ch=65;

**for**(**int** i=0;i<5;i++)

{

**for**(**int** j=0;j<=i;j++,num++,ch++)

{

**if**(i%2==0)

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

**else**

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

}

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

}

}

}

**Output :**

1

B C

4 5 6

G H I J

11 12 13 14 15