**Practical 5** Write an interactive program to print a diamond shape. For example, if user enters the number 3, the diamond will be as follows:

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import java.util.Scanner;

class prac5\_2

{

public static void main(String args[])

{

Scanner scan = new Scanner(System.in);

int x;

System.out.println(" Enter Number : ");

x = scan.nextInt();

for(int i = 0; i < x; i++)

{

for(int k = x - 1 - i; k > 0; k--)

System.out.print(" ");

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

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

System.out.println();

}

for(int i = 0; i < x - 1; i++)

{

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

System.out.print(" ");

for(int j = x - 1 - i; j > 0; j--)

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

System.out.println();

}

}

}

