HARIRAG G

230701104

Object Oriented Programming Using Java

Week 2

1)



import java.util.Scanner;

class prog{

public static void main(String []args){

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int r=sc.nextInt();

if(a>8 && r>2||a>2 && r>8){

System.out.println("Yes");

}

else if(a<=2 || r<=2){

System.out.println("No");

}

else{

System.out.println("Maybe");

}

}

}

2)



import java.util.Scanner;

public class prog {

public static String generateSequence(int n) {

if (n == 1) {

return "1";

}

String previousTerm = generateSequence(n - 1);

return previousTerm + " " + n + " " + previousTerm;

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int n = scanner.nextInt();

String result = generateSequence(n);

System.out.println(result);

scanner.close();

}

}



3)



import java.util.Scanner;

class prog {

// Function to return trailing 0s in factorial of n

static int findTrailingZeros(int n) {

if (n < 0) // Negative Number Edge Case

return -1;

// Initialize result

int count = 0;

// Keep dividing n by powers of 5 and update count

for (int i = 5; n / i >= 1; i \*= 5)

count += n / i;

return count;

}

// Driver Code

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Taking input

int n = sc.nextInt();

// Output the number of trailing zeros in n!

System.out.println(findTrailingZeros(n));

}

}

