

import java.util.Scanner;

public class a1 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int t = sc.nextInt();

for (int i = 0; i<t; i++) {

String input = sc.next();

try {

long num = Long.parseLong(input);

System.out.println(input + "can be fitted in:");

boolean canFit = false;

if (num >= Byte.MIN\_VALUE && num <= Byte.MAX\_VALUE) {

System.out.println("\* byte");

canFit = true;

}

if (num >= Short.MIN\_VALUE && num <= Short.MAX\_VALUE) {

System.out.println("\* short");

canFit = true;

}

if (num >= Integer.MIN\_VALUE && num <= Integer.MAX\_VALUE) {

System.out.println("\* int");

canFit = true;

}

if (num >= Long.MIN\_VALUE && num <= Long.MAX\_VALUE) {

System.out.println("\* long");

canFit = true;

}

if (!canFit) {

System.out.println(input +"can't be fitted anywhere.");

}

} catch (NumberFormatException e) {

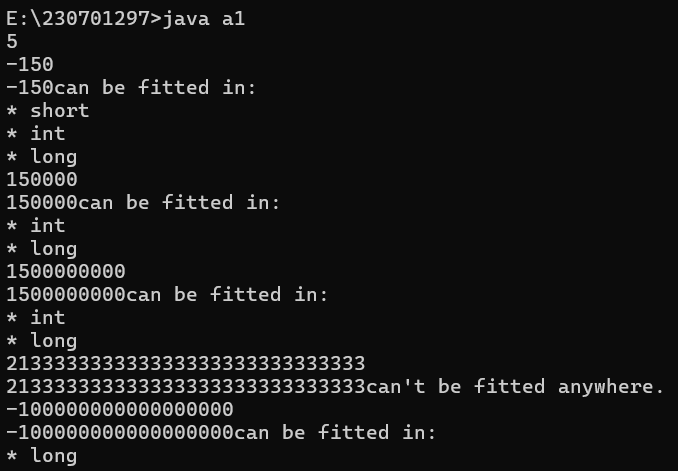
System.out.println(input + "can't be fitted anywhere.");

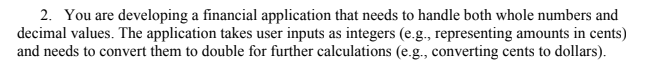
}

}

}

}





import java.util.\*;

public class a2

{

public static void main(String s[])

{

Scanner sc=new Scanner (System.in);

int cents=sc.nextInt();

double cent=cents;

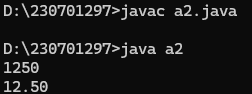
//a=cents;

double b=cent/100;

System.out.printf("%.2f",b);

}

}





import java.util.\*;

public class a3

{

public static void main(String s[])

{

Scanner sc=new Scanner (System.in);

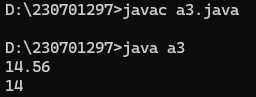
double a=sc.nextDouble();

int b=(int)a;

System.out.println(b);

}

}





import java.util.\*;

public class a4

{

public static void main(String s[])

{

Scanner sc=new Scanner (System.in);

int a =sc.nextInt();

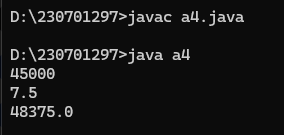
double b=sc.nextDouble();

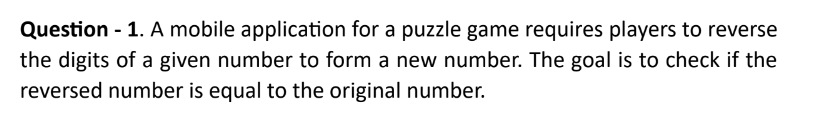
double c=a+(a\*(b\*0.01));

System.out.println(c);

}

}





import java.util.\*;

public class a5

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int rem = 0, rev = 0;

while(num!=0)

{

rem = num%10;

rev = rev\*10 + rem;

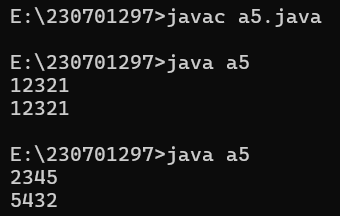
num /= 10;

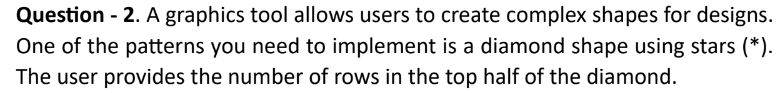
}

System.out.println(rev);

}

}





import java.util.Scanner;

public class a6

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

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

{

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

System.out.print(" ");

for (int k = 1; k <= (2 \* i - 1); k++)

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

System.out.println();

}

for (int i = n - 1; i >= 1; i--) {

for (int j = n; j > i; j--)

System.out.print(" ");

for (int k = 1; k <= (2 \* i - 1); k++)

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

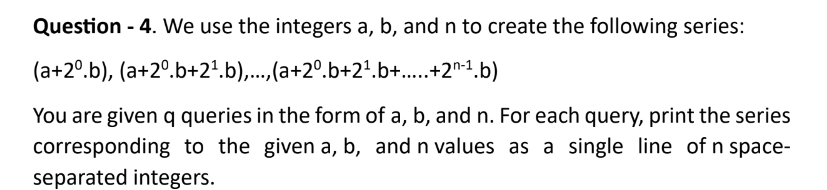
System.out.println();

}

}

}





import java.util.\*;

public class a7

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

int q = sc.nextInt();

while(q>0)

{

int a = sc.nextInt();

int b = sc.nextInt();

int n = sc.nextInt();

int d = 0;

while(d<=n)

{

int sum = a;

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

sum += Math.pow(2, i)\*b;

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

d++;

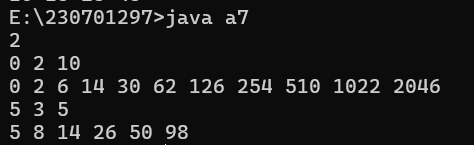
}

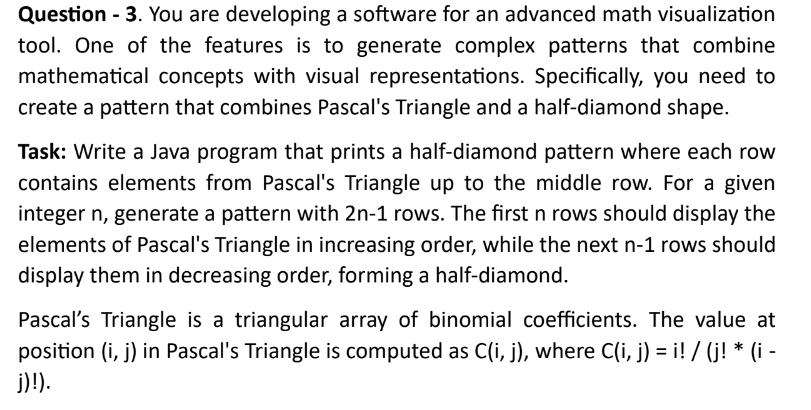
q--;

}

}

}





import java.util.Scanner;

public class a8 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

sc.close();

int[][] p = new int[n][];

for (int i = 0; i<n; i++) {

p[i] = new int[i + 1];

p[i][0] = 1;

p[i][i] = 1;

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

p[i][j] = p[i - 1][j - 1] + p[i - 1][j];

}

}

for (int i = 0; i<n; i++) {

int spaces = (n - i - 1);

for (int j = 0; j<spaces; j++) {

System.out.print(" ");

}

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

System.out.print(p[i][j] +" ");

}

System.out.println();

}

for (int i = n - 2; i>= 0; i--) {

int spaces = (n - i - 1);

for (int j = 0; j < spaces; j++) {

System.out.print(" ");

}

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

System.out.print(p[i][j] + " ");

}

System.out.println();

}

}

}

