/\* Program to print Even Series up to the given range \*/

import java.lang.\*;

import java.util.\*;

public class EvenSeries

{

public static void main(String a[])

{

Scanner sc = new Scanner(System.in);

int range;

System.out.print("Enter the Range : ");

range = sc.nextInt();

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

{

int r;

r = i % 2;

if(r == 0)

{

System.out.println(i);

}

}

}

}

/\* Program for factorial of a given number \*/

import java.lang.\*;

import java.util.\*;

public class Factorial

{

public static void main(String a[])

{

Scanner sc = new Scanner(System.in);

int num,res = 1;

System.out.print("Enter the Number : ");

num = sc.nextInt();

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

{

res = res \* i;

}

System.out.print("Factorial of "+num+" is "+res);

}

}

/\* program to search for specific element in the list of array elements \*/

import java.lang.\*;

import java.util.\*;

public class Search

{

public static void main(String a[])

{

Scanner sc = new Scanner(System.in);

int[] slist = {100,132,143,439,234};

int flag = 0;

System.out.println("U entered the list as ");

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

{

System.out.println(slist[i]);

}

System.out.println("Search for : ");

int sele = sc.nextInt();

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

{

if(slist[i] == sele)

{

flag = 1;

break;

}

}

if(flag == 1)

{

System.out.println("Element Found ");

}

else

{

System.out.println("Element Not Found ");

}

}

}

/\* program to calculate simple interest and display a monthly EMI slip \*/

import java.lang.\*;

import java.util.\*;

public class SimpleInterest

{

public static void main(String a[])

{

Scanner sc = new Scanner(System.in);

float si;

float p;

int t =12;

float r = 3.5f;

System.out.print("How much money u need : ");

p = sc.nextFloat();

si = (p\*t\*r)/100;

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

System.out.println("\*\*\*\*\*\*\*\*\*\* EMI Receipt \*\*\*\*\*\*\*\*");

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

System.out.println("Interest : "+si);

float emi = (p + si)/t;

System.out.println("U should pay monthly : "+emi);

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

}

}

/\* program to print a employee pay slip \*/

import java.lang.\*;

import java.util.\*;

class Employee

{

int eno;

String ename;

float bsal,bonus,totsal;

String cname;

Employee() // def constructor

{

cname = "JJU";

}

Employee(int a,String p1,float y) // par costructor

{

this();

eno = a;

ename = p1;

bsal = y;

}

void addBonus(float x)

{

bonus = x;

}

void printPaySlip()

{

totsal = bsal + bonus;

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Pay Slip \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("Name : "+ename+"\t\t"+"Eno : "+eno);

System.out.println("Basic : "+bsal+"\t\t"+"Bonus : "+bonus);

System.out.println("TOTAL SAL : "+totsal);

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+cname+"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

}

public class TestEmp

{

public static void main(String a[])

{

Employee e1 = new Employee(101,"Pradeep",20000f);

e1.printPaySlip();

Employee e2 = new Employee(102,"Naveen",10000f);

e2.addBonus(1000f);

e2.printPaySlip();

}

}

/\* program to print a pattern using java loops \*/

import java.lang.\*;

import java.util.\*;

class Pattern

{

char ch;

Pattern(char c)

{

ch = c;

}

void print()

{

for(int r=0;r<10;r++)

{

for(int c=0;c<r;c++)

{

System.out.print(ch);

}

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

}

}

}

public class TestPattern

{

public static void main(String arg[])

{

Pattern x = new Pattern('@');

x.print();

}

}