# SALLA BHARATH

Bytecode,

# -------------ASSIGNMENT1 ------------------

# 1):/\* Length and breadth of a rectangle are 5 and 7 respectively. Write a program to calculate the area and Parameter of the rectangle.

\*/

package oopsconcept;

public class assignment11 {

public static void main(String[] args) {

int length =5,breadth =7;

int area,perimeter;

area =length\*breadth;

perimeter =2\*(length +breadth);

System.***out***.println("AREA OF THE RECTANGLE:"+area);

System.***out***.println("AREA OF THE RECTANGLE:"+perimeter);

}

}

# 2):/\*Write a program to add 8 to the number 2345 and then divide it by 3. Now, the modulus of the quotient is taken with 5 and then multiply the resultant value by 5. Display the final result.\*/

package oopsconcept;

public class assignment12 {

public static void main(String[] args) {

int number1 =2345+8;

double dividenum =number1/3;

double modulusnum =dividenum%5;

double finalresult=modulusnum\*5;

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

}

}

# 3): /\*Write a program to check if the two numbers 23 and 45 are equal.\*/

package oopsconcept;

public class assignment13{

public static void main(String args[])

{

int number1=23;

int number2=45;

if (number1 ==number2)

{

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

}

else

{

System.***out***.println("NOT EQUAL");

}

}

}

# 4): /\*Write a program to calculate the Perimeter of a triangle having sides of length 2,3 and 5 units.\*/

package oopsconcept;

public class assignment14 {

public static void main(String[] args) {

int side1 =2;

int side2 =3;

int side3 =5;

int sum=0;

sum =side1+side2+side3;

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

}

}

# 5): /\*If the marks of Robert in three subjects are 78,45 and 62 respectively (each out of 100 ), write a program to calculate his total marks and percentage marks.\*/

package oopsconcept;

public class assignment15 {

public static void main(String[] args) {

int sub1 =78;

int sub2 =45;

int sub3 =62;

double total\_marks=sub1+sub2+sub3;

double maxmarks =300;

double percentage =(total\_marks/maxmarks)\*100;

System.***out***.println("the total marks of the student is:"+total\_marks);

System.***out***.println("total percentage of the student is:"+percentage);

}

}

ASSIGNMENT –2

# 1): /\*Greatest of four numbers using nested ternary operator\*/

package oopsconcept;

public class assignment21 {

public static void main(String[] args) {

int num1 =10;

int num2 =20;

int num3 =30;

int num4 =40;

int result = (num1 > num2)

? ((num1 > num3) ? ((num1 > num4) ? num1 : num4) : ((num3 > num4) ? num3 : num4))

: ((num2 > num3) ? ((num2 > num4) ? num2 : num4) : ((num3 > num4) ? num3 : num4));

System.***out***.println("The greatest number among the four is: " + result);

}

}

# 2):/\* Write a Java program to print the sum, multiply, subtract, divide and remainder of two numbers\*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("enter the number of number1");

int num1 =sc.nextInt();

System.***out***.println("enter the number of number2");

int num2 =sc.nextInt();

double sum =0;

sum =num1 + num2;

double subtract =num1 - num2;

double divide =num1 / num2;

double remainder =num1 % num2;

System.***out***.println("SUM :"+sum);

System.***out***.println("subtract"+subtract);

System.***out***.println("divide:"+divide);

System.***out***.println("remainder:"+remainder);

}

}

# 3): /\* Write a Java program that takes five numbers as input to calculate and print the average of the numbers\*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("enter the number of number1");

int num1 =sc.nextInt();

System.***out***.println("enter the number of number2");

int num2 =sc.nextInt();

System.***out***.println("enter the number of number3");

int num3 =sc.nextInt();

System.***out***.println("enter the number of number4");

int num4 =sc.nextInt();

System.***out***.println("enter the number of number5");

int num5 =sc.nextInt();

double average;

average =(num1+num2+num3+num4+num5)/5;

System.***out***.println("the average of 5 numbers"+average);

}

}

# 4):/\* Assign values of variables 'a' and 'b' as 55 and 70 respectively and then check if both the conditions 'a < 50' and 'a < b' are true\*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

int a =55;

int b =70;

if(a<50 && a<b)

{

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

}

else

{

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

}

}

}

# 5):/\* What is the output of the following code snippet & Explain?

# int x = 10;

# int y = 20;

# int z = x++ + ++y;

# System.out.println(z);

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

int x =10;

int y =20;

int z =x++ + ++y;

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

}

}

# 6): /\* Write a Java program to calculate the area of a circle given its radius?

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner (System.***in***);

System.***out***.println("enter the radius:");

int radius=sc.nextInt();

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

double area =3.14 \* radius\* radius;

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

}

}

# 7):/\* Write a Java program to compare two integers using relational operators and Write the results?

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("ENTER the number1");

int num1 =sc.nextInt();

System.***out***.println("ENTER the number2");

int num2 =sc.nextInt();

boolean equal = num1 ==num2;

boolean greater= num1>num2;

boolean less =num1<num2;

boolean not\_equal =num1 != num2;

System.***out***.println("the enter number num1 is equal to num2:"+equal);

System.***out***.println("the enter number is num1 greater then num2:"+greater);

System.***out***.println("the enter number isnum1 less then num2:"+less);

System.***out***.println("the enter number is num1 not equal num2:"+not\_equal);

}

}

# 8):/\* Write a Java program to compare two characters and print the results?

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the character1");

char ch1 =sc.next().charAt(0);

System.***out***.println("Enter the character2");

char ch2 =sc.next().charAt(0);

boolean equal = ch1 ==ch2;

boolean great = ch1 > ch2;

boolean less = ch1 < ch2;

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

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

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

}

}

# 9):/\* Write a Java program to check if a given year is a leap year using the ternary operator?

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the year");

double year =sc.nextInt();

boolean leap =year%4==0;

String lp= leap ?"leap\_year":"not\_leap\_year";

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

}

}

10): /\* Write a Java program to determine the sign of a given number (positive, negative, or zero) using the ternary operator?

\*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number");

double num =sc.nextInt();

String n = (num > 0)?"positive":(num == 0)?"Zero":"negative";

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

}

}

# /\*

# 11):Write a Java function to swap two variables without using a third variable?

# \*/

package oopsconcept;

import java.util.\*;

public class assignment22 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the value of A");

double a =sc.nextInt();

System.***out***.println("Enter the value of B");

double b =sc.nextInt();

a=a+b;

b=a-b;

a=a-b;

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

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

}

}

# Assignment -3

1): /\*1. program to find maximum between two numbers (inputs from scanner class).\*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number A");

int a =sc.nextInt();

System.***out***.println("Enter the number B");

int b=sc.nextInt();

if (a > b)

{

System.***out***.println("A is greater then B");

}

else

{

System.***out***.println("B is greater then A");

}

}

}

# 2):/\*Write a program to find the maximum between three numbers. (inputs from scanner

# class).\*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number A");

int a =sc.nextInt();

System.***out***.println("Enter the number B");

int b=sc.nextInt();

System.***out***.println("Enter the number C");

int c=sc.nextInt();

if (a > b && a>c)

{

System.***out***.println("A is greater then B And C");

}

else if(b>c)

{

System.***out***.println("B is greater then A And C");

}

else

{

System.***out***.println("C is greater then A And B");

}

}

}

# 3):/\*Write a program to check whether a number is negative, positive or zero.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number ");

int a =sc.nextInt();

if(a>0)

{

System.***out***.println("Given number is positive");

}

else if(a<0)

{

System.***out***.println("Given number is negative");

}

else

{

System.***out***.println("given number is zero");

}

}

}

# 4): /\*Write a program to check whether a number is divisible by 4 and 100 or not.

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number ");

int a =sc.nextInt();

if (a%4==0 && a%100==0)

{

System.***out***.println("yes its divisible");

}

else

{

System.***out***.println("yes its not divisible");

}

}

}

# 5):/\* Write a program to check whether a number is even or odd.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number ");

int a =sc.nextInt();

if(a%2==0)

{

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

}

else

{

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

}

}

}

# 6): /\* Write a program to input any alphabet and check whether it is vowel or consonant.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the ALPHABET ");

char ch =sc.next().charAt(0);

if(ch =='a'|| ch =='e' || ch =='i'|| ch =='o' || ch =='u' ||ch =='A' ||ch =='E' ||ch=='I'||ch =='O'||ch =='U')

{

System.***out***.println("This is a vowel");

}

else

{

System.***out***.println("This is a CONSONANT");

}

}

}

# 7):/\* Write a program to read the value of an integer m and display the value of n is 1

# . when m is larger than 0, 0 when m is 0 and -1 when m is less than 0

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the value");

int m =sc.nextInt();

int n;

if(m>0)

{

n=1;

}

else if(m<0)

{

n=-1;

}

else

{

n=0;

}

System.***out***.println("the value of n: "+n);

}

}

# 8): /\* Write a program to check whether a triangle can be formed by the given value for the

# angles.(3 angles sum should be 180);

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the value side 1");

int s1 =sc.nextInt();

System.***out***.println("Enter the value side 2");

int s2=sc.nextInt();

System.***out***.println("Enter the value side 3");

int s3=sc.nextInt();

int sum =0;

sum =s1+s2+s3;

int triangle =180;

if (triangle ==sum)

{

System.***out***.println("the given triangle is equals");

}

else

{

System.***out***.println("the given triangle is not equals");

}

}

}

# 9): /\* Write a program to calculate profit and loss on a transaction. (inputs from scanner

# class , SellingPrice and CostPrice).

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the cost price");

int s1 =sc.nextInt();

System.***out***.println("Enter the value selling price");

int s2=sc.nextInt();

if(s1 > s2)

{

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

}

else

{

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

}

}

}

# 10): /\* 2. Write a program in to read any Month Number in integer and display Month name in

# the word. (use case statement );

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the month number");

int month =sc.nextInt();

switch(month)

{

case 1:

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

break;

case 2:

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

break;

case 3:

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

break;

case 4:

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

break;

case 5:

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

break;

case 6:

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

break;

case 7:

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

break;

default :

System.***out***.println("ENTER THE VALID NUMBER");

}

}

}

# 11):/\* . Given three values representing the lengths of the three sides of a triangle, determine whether the triangle is

# regular (all three sides are equal), symmetric (two sides are equal), or irregular (no two sides are equal)

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the SIDE1 OF THE TRIANGLE");

int tri1 =sc.nextInt();

System.***out***.println("Enter the SIDE2 OF THE TRIANGLE");

int tri2 =sc.nextInt();

System.***out***.println("Enter the SIDE3 OF THE TRIANGLE");

int tri3 =sc.nextInt();

if(tri1== tri2 &&tri2== tri3)

{

System.***out***.println("the given triangle regular");

}

else if(tri1 ==tri2 ||tri2 ==tri3 || tri1 ==tri3)

{

System.***out***.println("the given triangle symmetric");

}

else

{

System.***out***.println("the given triangle iregular");

}

}

}

# 12):/\* Write a program in to read any Month Number in integer and display Month name in

# the word. (use case statement ).

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the MONTH NUMBER");

int month =sc.nextInt();

switch (month)

{

case 1:

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

break;

case 2:

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

break;

case 3:

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

break;

case 4:

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

break;

case 5:

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

break;

case 6:

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

break;

case 7:

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

break;

case 8:

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

break;

case 9:

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

break;

case 10:

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

break;

case 11:

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

break;

case 12:

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

break;

default :

System.***out***.println("ENTER THE VALID NUMBER");

}

}

}

# 13): /\* Write a program in to read any Month Number in integer and display Month name in

# the word. (use case statement ).

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the NUMBER1");

int num1 =sc.nextInt();

System.***out***.println("Enter the NUMBER2");

int num2 =sc.nextInt();

System.***out***.println("Enter the NUMBER3");

int num3=sc.nextInt();

if(num1 >num2 && num1>num3)

{

System.***out***.println("1st number is greater");

}

else if(num2>num3)

{

System.***out***.println("2nd number is greater");

}

else

{

System.***out***.println("3rd number is greater");

}

}

}

# 14): /\*. Write a Java program to display the cube of the given number up to an integer.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.in);

System.out.println("Enter the NUMBER");

int num =sc.nextInt();

int result =num\*num\*num;

System.out.println(result);

}

}

# 15): /\*. Check if a number is positive, negative, or zero

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the NUMBER");

int num =sc.nextInt();

if (num>0)

{

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

}

else if(num<0)

{

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

}

else

{

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

}

}

}

# 16):/\*. Check if a year is a leap year.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the NUMBER");

int num =sc.nextInt();

if (num%4==0)

{

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

}

else

{

System.***out***.println("not\_LEAP");

}

}

}

# 17):/\* Determine the grade based on a student's score.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the MARKS OF SUB1");

int sum =sc.nextInt();

if (sum>=90 && sum<=100)

{

System.***out***.println("O grade");

}

else if(sum>=75 && sum<=89)

{

System.***out***.println("A grade");

}

else if(sum>=65 && sum<=74)

{

System.***out***.println("B grade");

}

else if(sum>=65 && sum<=74)

{

System.***out***.println("B grade");

}

else if(sum>=40 && sum<=64)

{

System.***out***.println("c grade");

}

else if(sum<39)

{

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

}

}

}

# 18):/\* Determine the grade based on a student's score.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the MARKS OF SUB1");

int sum =sc.nextInt();

if (sum>=90 && sum<=100)

{

System.***out***.println("O grade");

}

else if(sum>=75 && sum<=89)

{

System.***out***.println("A grade");

}

else if(sum>=65 && sum<=74)

{

System.***out***.println("B grade");

}

else if(sum>=65 && sum<=74)

{

System.***out***.println("B grade");

}

else if(sum>=40 && sum<=64)

{

System.***out***.println("c grade");

}

else if(sum<39)

{

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

}

}

}

# 19):/\*

# Write a Java Program to determine if a person is eligible to vote based on their age and nationality.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the AGE");

int age =sc.nextInt();

if(age>=18)

{

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

}

else

{

System.***out***.println(" NOT ELIGIBLE");

}

}

}

# 20):/\*

# 2. Write a Java Program to determine if a person is eligible to vote based on their age and nationality.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the multiplication table number");

int table =sc.nextInt();

for(int i=1;i<=10;i++)

{

System.***out***.println(table +"\*" + i + "=" +table\*i);

}

}

}

# 21): /\*

# Write a Java program that displays the sum of n odd natural numbers.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the number ");

int num =sc.nextInt();

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

{

if (i%2 !=0)

{

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

}

}

}

}

# 22):/\*

# . Write a java program to print number from 1 to 10 Except 5

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

int n =10;

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

{

if(i==5)

continue;

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

}

}

}

# 23): /\*

# Print Prime Numbers from 1 to 20 Except 2

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

int n=20;

for(int i=1;i<=20;i++)

{

if(i==2)

continue;

int count =0;

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

{

if(i%j==0)

{

count++;

}

}

if(count ==2)

{

System.***out***.println("prime :"+i);

}

else

{

System.***out***.println("not prime:"+i);

}

}

}

}

27/28/skip

# 24): /\*

# \*

# \* 9. Print Even Numbers from 20 to 40 Except 28, and 32

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

for(int i =20;i<=40;i++)

{

if(i==28||i==32)

continue;

if(i %2==0)

{

System.***out***.println("EVEN::"+i);

}

else

{

System.***out***.println("ODD::"+i);

}

}

}

}

# 25):/\*

# \*

# \* . Write a java program to print 10 Fibonacci numbers skip 13 and 35.

\*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

int n1 =0,n2 =1,n3 =0;

for(int i=1;i<=10;i++)

{

n3 =n1;

n1 =n2;

n2 =n1+n3;

System.***out***.println(n2);

}

}

}

# 26)::/\*

# Write a java program to print multiples of 7 numbers except 56 ,49

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

int n=7;

for(int i=1;i<=10;i++)

{

if(n\*i ==56 || n\*i ==49)

continue;

System.***out***.println(n +"\*" +i + "=" + n\*i);

}

}

}

# 27): /\*

# Print Odd numbers from 50 to 100 Except 53, 97, 77.

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

for(int i =50;i<=100;i++)

{

if (i ==53 ||i ==97 ||i ==77)

continue;

if(i%2 !=0)

{

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

}

}

}

}

33 and 35

# 28):/\*

# Write a program to print the odd numbers between 1 and 10, excluding multiples of 3

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

// Scanner sc =new Scanner(System.in);

for(int i=1;i<=10;i++)

{

if (i%2 !=0)

{

if(i%3 !=0)

{

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

}

}

}

}

}

# 29): /\*

# Write a program to print all even numbers from 1 to 20 using a for loops. Use the continue statement to skip

# the odd numbers.

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

for(int i=1;i<=20;i++)

{

if (i%2!=0)

{

continue;

}

else

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

}

}

}

# 30):/\*

# Write a program that takes a grade as input (A, B, C, D, or F) and prints a corresponding message based on

# the grade using a Switch Statement

# \*/

package oopsconcept;

import java.util.\*;

public class assignment31 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the grade");

char grade =sc.next().charAt(0);

switch(grade)

{

case 'A':

System.***out***.println("THIS IS GOOD MARKS");

break;

case 'B':

System.***out***.println("THIS IS GOOD");

break;

case 'C':

System.***out***.println("improve your grade");

break;

case 'F':

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

break;

default :

System.***out***.println("Enter the valid grade");

}

}

}

# 31)): \* Write a program that takes the number of sides of a shape as input and determine its name (e.g., triangle,

# square, pentagon) using a Switch Statements.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

Scanner sc =new Scanner(System.***in***);

System.***out***.println("Enter the sides ::");

int side = sc.nextInt();

switch(side)

{

case 3:

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

break;

case 4:

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

break;

case 5:

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

break;

default:

System.***out***.println("Enter the valid number");

break;

}

}

}

39//42//

# 32)):/\*. Print numbers from 1 to 10.

\*/

package oopsconcept;

//import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

for(int i=1;i<=10;i++)

{

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

}

}

}

# 33)): /\*.Calculate the sum of numbers from 1 to 100

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

int sum=0;

for(int i=1;i<=100;i++)

{

sum =sum+i;

}

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

}

}

# 34)):/\*.Print all even numbers from 120 to 130

# \*/

package oopsconcept;

//import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

int sum=0;

for(int i=120;i<=130;i++)

{

if(i%2 ==0)

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

}

}

}

# 35)): /\*.Write a java program to print sum of all even and odd numbers.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.***in***);

System.***out***.print("Enter the maximum limit: ");

int maxLimit = sc.nextInt();

int evenSum = 0;

int oddSum = 0;

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

if (i % 2 == 0) {

evenSum += i;

} else {

oddSum += i;

}

}

System.***out***.println("Sum of even numbers: " + evenSum);

System.***out***.println("Sum of odd numbers: " + oddSum);

}

}

# 36)):\* Print all the elements are divisible by a given number.

# \*/

package oopsconcept;

import java.util.\*;

public class assignment32 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter the size of the array:");

int size = sc.nextInt();

int[] array = new int[size];

System.out.println("Enter the elements of the array:");

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

array[i] = sc.nextInt();

}

System.out.println("Enter the number to check for divisibility:");

int num = sc.nextInt();

System.out.println("Elements divisible by " + num + ":");

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

if (array[i] % num == 0) {

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

}

}

}

}