1. Circle Area

Write a program to find the area of the circle.

Consider pi = 3.142

Input Format:

First line contains an Integer, radius of a circle

Output Format:

Gives the area of circle.

The area of the circle should have four decimal places only.

Sample Input:

18

Sample Output:

1018.0080

2.Square Area

Write a program to find the area of a square.

Input Format:

First line contains an integer, side of a square.

Output Format:

Gives the area of square

Sample Input:

24

Sample Output:

Area of a square is 576

3.Circle Perimeter

Write a program to find the perimeter of the circle.

Consider pi = 3.142

Input Format:

First line contains an Integer, radius of a circle

Output Format:

Gives the perimeter of circle

The area of the circle should have four decimal places only.

Sample Input:

12

Sample Output:

75.4080

4. Square Perimeter

write a program to find the perimeter of the square

Input Format:

First line contains an Integer, side of a square

Output Format:

Gives perimeter of the square

Sample Input:

6

Sample Output:

24

5. GCD

Write a program find the GCD of 2 numbers.

Input Format:

First line contains two space separated positive integers, n and m.

Output Format:

Gives the GCD of two numbers

Sample Input:

81 183

Sample Output:

3

6 LCM

Find the LCM of 2 numbers.

Input Format:

First line contains two space separated positive integers, n and m.

Output Format:

gives the LCM of two numbers

Sample Input:

10 20

Sample Output:

20

7 Largest number among 3 integer values

Find the largest number amongst the given three numbers

Input Format :

First line contains three space separated integers.

Output Format:

Gives the largest number.

Sample Input:

10 30 20

Sample Output:

30

8 Sum of first N natural numbers using loops

Write a program to find the sum of first N natural numbers using loops.

Input Format:

First line consist of a positive integer n

Output Format:

Gives the sum of n natural numbers.

Sample Input:

100

Sample Output:

5050

9 Sum of first N natural numbers without using loops

Find the sum of first N natural numbers without using loops.

Input Format:

First line consist of a positive integer n

Output Format:

Gives the sum of n natural numbers.

Sample Input:

100

Sample Output:

5050

10 Sum of Digits in an Integer.

Find the sum of digits in an integer

Input Format:

First line consist of a positive integer n

Output Format:

Gives the sum of digits in an integer n

Sample Input:

123

Sample Output:

6

11 Prime Number

WAP to check if the number is a prime number or not. Print YES if the number is prime number else print NO.

Input Format:

First line consist of a positive integer n

Output Format:

Print the required answer on a single line

Sample Input:

29

Sample Output:

YES

12 Reverse the number

WAP to reverse a given number

Input Format:

First line consist of a positive integer n

Output Format:

Gives the reversed number

Sample Input:

12345

Sample Output:

54321

13 Palindromic Number

WAP to check if a number is palindrome or not. Print YES if the number is a palindrome else print NO.

Input Format:

First line consist of a positive integer n

Output Format:

Print the required answer on a single line

Sample Input:

9889

Sample Output:

YES

14 Factorial of a number

Find factorial of a given number

Input Format:

First line consist of a positive integer n

Output Format:

Gives the factorial of a number

Sample Input:

9

Sample Output:

362880

15 Factors of a given number

Find the factors of a given number n.

Input Format:

First line consist of a positive integer n

Output Format:

Print the factors of the number on a single line

Sample Input:

10

Sample Output:

1 2 5 10

16 Perfect Number

WAP to check if the number is a perfect number or not. Print YES if the number is perfect number else print NO.

Any number can be a Perfect Number if the sum of its positive divisors excluding the number itself is equal to that number. For example, 28 is a perfect number because 28 is divisible by 1, 2, 4, 7, 14 and 28 and the sum of these values is 1 + 2 + 4 + 7 + 14 = 28.

Input Format:

First line consist of a positive integer n

Output Format:

Print the required answer on a single line

Sample Input:

28

Sample Output:

YES

17 Fibonacci Number

WAP to print Fibonacci series till a given number n.

A Fibonacci series is a series of numbers in which next number is the sum of previous two numbers for example 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55 etc. The first two numbers of Fibonacci series are 0 and 1.

Input Format:

First line consist of a positive integer n

Output Format:

Print the Fibonacci series on a single line

Sample Input:

10

Sample Output:

0 1 1 2 3 5 8 13 21 34

18 Leap Year

WAP to check if the given year is a leap year or not. Print YES if the year is leap year else print NO.

Input Format:

First line consist of a integer n denoting year

Output Format:

Print the required answer on a single line

Sample Input:

2012

Sample Output:

YES

19 Swap Two Numbers

Wap to swap two numbers.

Input Format:

First line consist of a positive integer n1

Second line consist of a positive integer n2

Output Format:

Prints the required result before and after swapping the numbers.

Sample Input:

10

20

Sample Output:

Before Swapping

10

20

After Swapping

20

10

20 Decimal to Binary

Wap to convert the given decimal number into equivalent binary number.

Input Format:
First line consist of a positive integer n
Output Format:
Prints the equivalent binary number.

Sample Input:
10
Sample Output:
1010

21 Celsius to Fahrenheit

Wap to to convert Celsius to Fahrenheit

Input Format:
First line consist of a temperature value n in oC
Output Format:
Prints the converted Fahrenheit value in oF

The output should contain two decimal places only.
Sample Input:
12
Sample Output:
53.60

22 Even Odd

WAP to check if the given number is even or odd. Print EVEN if the number is even else print ODD

Input Format:
First line consist of a integer n
Output Format:
Print the required answer on a single line

Sample Input:
202

Sample Output:

EVEN