Java Exercise1

1. Check if a given number is odd or even number

2. Read the radius and print the area of a circle

3. Read year and check if the given year is a leap year

4. Display Subject Name based on room number. If the user enters 823 then display Java Programming , If the user enters 824 then display Python programming for any other input display Invalid input to the user

5. Print the sum of first n numbers. If N is 3 then print the sum of 1+2+3 to the user. Get n from the user

6. Print the multiplication table by getting the n from the user.

7. Provide the option of adding two numbers to the user until the user wants to exit

8. Read a number from the user and determine **how many digits in the number** are even ,odd and prime. For example ,if the user enters an input number 934 , the number of even digits in the number is 1 (that is 4) , odd digits is 2 (3 and 9) , prime digits is 1 (3)

   The output of your program should be

   The number of even digits is 1
   The number of odd digits is 2
   The number of prime digits is 1

9. A company has decided to give bonus for their employees who have completed three years of service. The amount of bonus is calculated as 500*(No. of years of Experience - 3). Given the details of the employees in the company as shown below and an employee name, write an algorithm and the subsequent Java code to determine the bonus amount that the employee will receive. If the experience of the employee is greater than 3 then print the amount to be received and the mobile number of the employee and print 'Not eligible for bonus' otherwise. For example, if the name of the employee given is 'Rajesh' then print 'Not eligible for bonus. If the employee name given is 'Kumar'

then the amount to be received is 7000, therefore print 7000 and his mobile number 9012345621. Read mobile number as an integer.

Name of Employee	Mobile number of student	Experience
Kumar	9012345621	17
Dinesh	8143567890	7
Ganesh	7114567213	13
Rajesh	9098456743	2
Rakesh	8159056784	9

10. A number is said to have the property of Odd Sum if the sum of the number and its reverse is odd. For example, 36 is having the "Odd sum" property since 36 + 63 = 99 which is odd. Given a number 'n', write an algorithm and the subsequent Java program to check whether the given number 'n' has the 'odd sum property'. If the given number has the 'odd sum property', print "Odd Sum", else print " No odd sum".

Input Format

A number, n

Output Format

Print either "Odd sum" or "No odd sum"