1. Given a number. Print “odd” if the number is odd and “even” if it’s even.

Input	Output
123	“odd”
35	“odd”
70	“even”

2. Given two numbers print 1 if one of them is divisible by the other one, otherwise print 0.

Input	Output
3, 14	0
18, 2	1
7, 21	1

3. Given number *n* (positive integer). Print the value of *n* + *nn* + *nnn***(not multiplication)**.

Input	Output
3	369
17	173451
100	100200300

4. Given a positive integer. Bring the last digit of the number to the beginning. Print the new number. If the last digit of the inserted number is 0, number remains the same.

Input	Output
367	736
1002	2100
250	250
8	8

5. Given five numbers as input. Calculate and print the average of the numbers(without using arrays).

Input	Output
45, -12, 0, 3, -15	4.2
7, 52, -23, 9, -81	-7.2

6. Given three numbers. Sort them by the ascending order.

Input	Output
45 , 26, 78	26, 45, 78
-23, -456, 0	-456, -23, 0

7. Find the sign of product of three numbers **without** multiplication operator. Display the specified sign.

Input	Output
-14, 5, 0	“unsigned”
-8, 9, -6	“+”
4, 19, -2	“-”

8. Input three numbers *a*, *b*, *c* respectively, where a is a non zero number and write a program to solve quadratic equations: $ax^2 + bx + c = 0$. *(Hint: use Math.pow or Math.sqrt)*.

Input	Output
1, 2, 1	“Solution is -1”
0, 4, -5	“Enter valid constans”

3, -8, 12	“Solution does not exists”
5, -13, 6	“Solutions are 0.6 and 2”

9. Given the following code rewrite it using only two *if* operators. (*Hint:* use logical operators).

```
var n = +prompt();

var i = 0;
var j = 0;

if (n % 2 === 0) {
  if (!Math.floor(n / 10)) {
    i += 1;
  }
}

if (n % 3 === 0) {
  if (n % 10 === 1) {
    j += 1;
  }
}
```

10. Insert a digit and a number. Check whether the digits contains in the number or not.

Input	Output
5, 2463	‘No’
4, 6	‘No’
8, 45689	‘Yes’

11. Enter a number. Reverse its first and last digits. Print the new number.

Input	Output
2	2
13	31
895796	695798

12. Write a program which will compute the area of a rectangular or a triangle after prompting the user to type the name of the figure name. Also check that entered numbers are positive.
    For the triangle entered numbers are height and and base.

Input	Output
“triangle”, 6, 7	“Square of the triangle is 21”
“rectangle”, 8, 5	“Square of the rectangle is 40”
“triangle”, 0, 5	“Please enter only positives”

13. (***) Enter a number. Find the difference between its biggest and smallest digits.

Input	Output
5	0
152	4
4593653	6