Print a, c, e... till the characters are less than z

alphabets.

a c e g i k m o q s u w y

ch.

```
for (char ch = 'a' ; ch < 'z' ; ch = (ch+2))
{
    Syso (ch).
}
```

(char) — maths.

```
public static void main(String[] args) {
    for(char ch = 'a' ; ch <= 'z'; ch = (char)(ch + 2)){
        System.out.println(ch);
    }
}
```

⇝ char & loop

⇝ int & loop.

a - 0
b - 1
c - 2
d - 3
e
f
g

```
for(int i = 0; i < 26; i= i+2){
    System.out.println((char)('a'+ i));
}
```

0 < 26 ✓
2 < 26

i = 0 2

a
c

'a'

'a' + i
97 + 2 = 99

'a' + 0
97 + 0 = 97
(char) (97)
'a'

Print z, y, x.... till 26 characters

start = 'z'

ch --

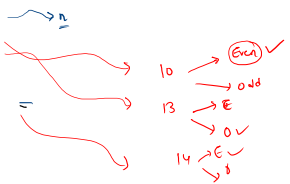
```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        for(char ch = 'z' ; ch >= 'a'; ch--){
            System.out.println(ch);
        }
    }
}
```

Print "even" or "odd" from a list of integers

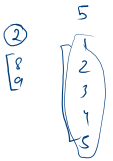
3
10
13
14

Sample Out

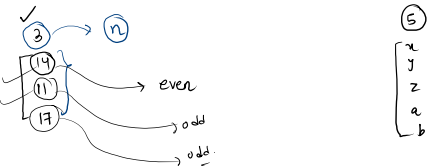
even
odd
even

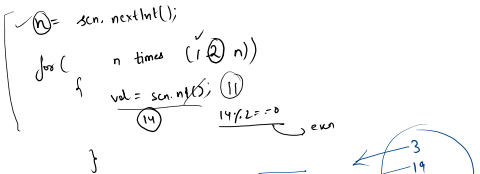


even
Even
odd

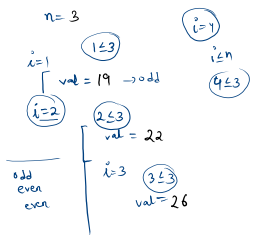



```
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();

        for(int i = 1; i <= n; i++){
            int val = scn.nextInt();
            if(val % 2 == 0){
                System.out.println("even");
            }else{
                System.out.println("odd");
            }
        }
    }
}
```

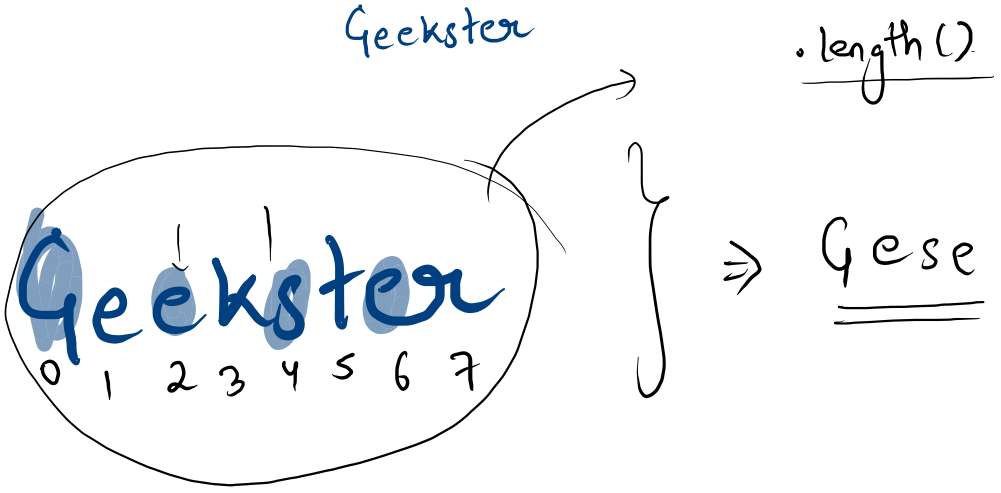





```
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();

        for(int i = 1; i <= n; i++){
            int val = scn.nextInt();
            if(val % 2 == 0){
                System.out.println("even");
            }else{
                System.out.println("odd");
            }
        }
    }
}
```

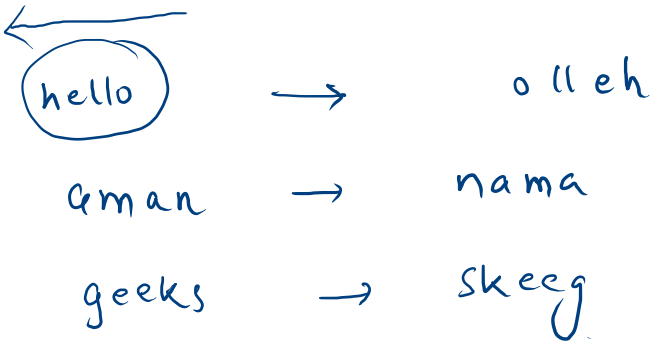


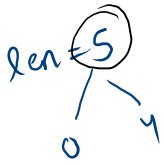
Print Alternate Elements of a String




```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String str = scn.next();

        for(int i = 0; i < str.length() ; i += 2){
            System.out.print(str.charAt(i));
        }
    }
}
```

Reverse The String





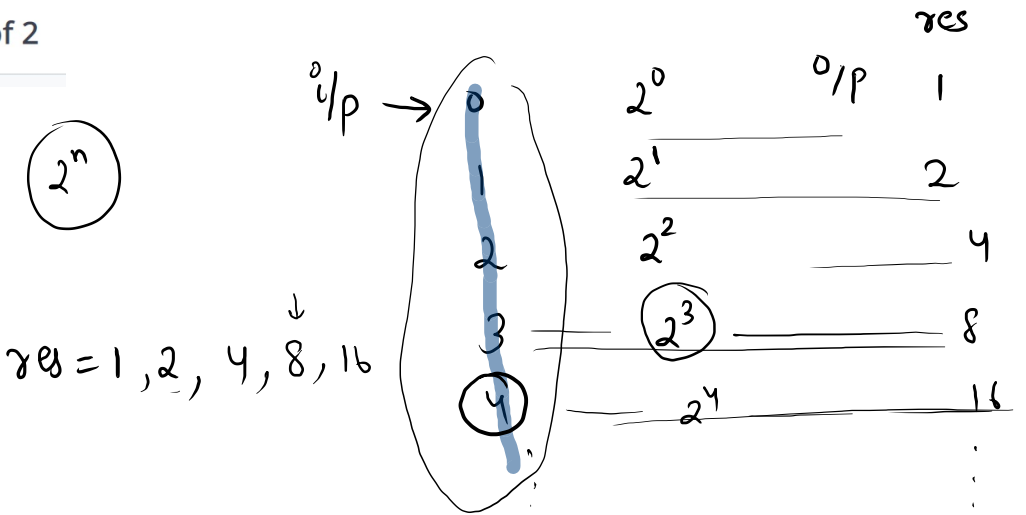
4 3 2 1 0

start = len-1

≥ 0

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String s = scn.next();

        for(int i = s.length()-1; i >= 0; i--){
            System.out.print(s.charAt(i));
        }
    }
}
```

nth power of 2



0 - 1
1 - 2
2 - 4
3 - 8
4 - 16
: :

i/p = 4
0

res = 1

```
for( int i=1 ; i<=n; i++)
{
    res = res * 2;
}
```

i<=0

Code. this.

```
Syso(res).
```