public static void main(String[] args) { HUN  $\rightarrow$  int turn = 1; for (char ch = 'a'; ch <= 'z'; ch++) {</pre> char ch1 = (char)(ch - 32);
System.out.println(ch1);
} else {
 System.out.println(ch);
}
turn++; \_\_if (turn % 2 == 0) {

## **GKSTR15** Print Even

$$\frac{1}{1} \Rightarrow from 0 to n by +2$$

1) for (int 
$$i=0$$
;  $i <= n$ ;  $i+=2$ ) {

Syso(i);

3

1)  $for(int i=0; i <= n; i+=2)$  {

Syso(i);

3

# code

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

    for (int i = 0; i <= n; i += 2) {
        System.out.println(i);
    }
}</pre>
```

String

String str = "abCDe";

1) str. length(); //5

2) str. charAt(index); // 'C'

## Print Alternate Elements of a String

```
String str = "Greekster"; i <= Jen

Joof 1) from 0 to str. Jength () by +2

1.1) char ch = str. charAt(i);

1.2) concertenate ch with the answer
```

```
str = "KushKhare" X
public static void main(String[] args) {
→ Scanner scn = new Scanner(System.in);
→ String str = scn.nextLine();
                                           i=0, (0<9) \checkmark d='K'
  _for (int i = 0; i < str.length(); i += 2) {
                                           → char ch = str.charAt(i);

→ System.out.print(ch);

                                           i= 4, (4<9) & ch='K'
                                           i = 6, (6 < 9) \% ch = 'a'
                                           i = 8, (8 < 9) \% ch = 'e'
                                            i= 10, (10<9) X
```

# code

$$i = 0$$
,  $ch = A'$ ,  $ch = A' + A'$ ;
 $ch = A' + A'$ 

$$\hat{l} = 2$$
,  $ch = \hat{l}$ ,  $ch =$ 

$$i = 4$$
,  $ch = k'$ ,  $cur = Ah'' + k'$   
 $cur = Ahk''$ 

#### Reverse The String

```
String str = "geekster";
       from 0 to str. length by +1
        String any = "" j

-for (int i = 0; i < str. length(); i++) i

that ch = str. charact(i);
```

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
String str = scn.nextLine();
  → String ans = "";
   -for (int i = 0; i < str.length(); i++) {
     → char ch = str.charAt(i);

→ ans = ch + ans;
    System.out.println(ans);
```

```
i = 0, ch = im', am = im' + i''
i = 1, ch = 'a', cms = 'a' + "m"
                  = "am"
i = 2, ch = 'n', cm = 'n' + "am"
                  = " nam"
l=3, ch='l', ans=l+nam
                  = inam
 i=4, ch='s', and s=s+inam
                  = "S"Mam"
 (=5, ch='h', an = "hsinam"
```

str= "manish";

on = "",

### nth power of 2

int 
$$n = 4$$
;  
and  $= 2^4 = 16$   

$$2^4 = 2 \times 2 \times 2 \times 2$$

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
→ int n = scn.nextInt();
                                           ans = 1
\rightarrowint ans = 1;
  for (int i = 1; i <= n; i++) {</pre>
                                          i=1, ans = 1 * 2 = 2
                                          i=2, and = 2*2=4
   System.out.println(ans);
                                         j=3, an = 4 * 2 = 8
                                          i=4, and = 8*2=16
                                         i = 5, and = 16 * 2 = 32
                                          i= 6 X
```