```
n-1 (edd) \rightarrow n=30
                             29,27,25 - -- 5,3,1
                                   1,3,5,7---0
1-n(add) >
(ところう ひとのうしょ=2)
       29.2120
                  multiples & 8 (n-1)
 for(int i = n; i >= 1; i--){
   if(i % 8 == 0){
 syso(i + "");
  }
```

$$n, n-3, n-6, n-9----$$

$$n-3 = 20 - 13 = 17$$
  
 $n-6 = 20 - 6 = 14$ 

$$1 = 20$$
 $20 + 3 = 17$ 
 $17 - 3 = 14$ 
 $14 + 3 = 11$ 

```
for(int i = n; i >= 1; i -=3){
    Syso(i);
```

```
for(char i = 'a'; i <= 'z'; i++){
    System.out.println(i);
}</pre>
```

### print a to z

## Print a, B, c, D, e, F, g..... 26 characters

```
char ch = 'a';

for(int i = 1; i <= 26; i++){
    if(i % 2 == 0){
        System.out.println((char)(ch -32));
    }
    else{
        System.out.println(ch);
    }
    ch++;
}</pre>
```

# HW\_Print series AAA,bb,CCC,dd,EEE,ff till 26 lines

add 3 upper lase 3 3-limes even 3 small case 3 2 times

```
for(int i = 'A'; i <= 'Z'; i++){
    if(i % 2 != 0){
        System.out.print((char)(i));
        System.out.print((char)(i));
        System.out.print((char)(i));
    }
    else{
        int ch = Character.toLowerCase(i);
        System.out.print((char)(ch));
        System.out.print((char)(ch));
        System.out.print((char)(ch));
    }
    System.out.println();
}</pre>
```

int i= 'A' i=65 < 90 T 659.2 !=0 T (m) (5) > AAA 1 C C C

i=66 <90 T 66 9,2 1,=0 f in th= (1) in th= 98 out th= 98 (98) > b (now) (98) > b

character. to hower (ase (char); Tin built; character. to Upper (ase (Char); Junction);

#### Print Alternate Elements of a String

```
Scanner s = new Scanner(System.in);
String str = s.nextLine();

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

length > 5

```
2 -> 1
n=0
for ("unt l = l") l \leq n; it t)

ans = ans + 2";
       Scanner s = new Scanner(System.in);
       int n= s.nextInt();
       int ans = 1;
      for(int i = 1; i <= n; i++){
          ans = ans * 2;
```

System.out.println(ans);

```
ans=1×2=3
1=2537
ans = 2 x2 = 4
0=337
0=3537
ans=42=9
```

# for (int i = 1; i < n; i \*= 2) { Syso(i + " "); } 2 < 2D 4 < 2D 8 < 2Dde as File Test against custom input 1 < 2D 2 < 2D 2 < 2D

#### Print powers of 2 less than n

# Multiples of 3, 5 and Both 3 and 5

```
for(int i = 1; i <= n; i++){
    if(i % 3 ==0 || i%5 ==0){
        Syso(i + " ");
    }
}</pre>
```