Sum > 1+2+3 = 6

## 1+2+3+4

# Running sum > 1+2=3+3=6+2=8 n=3

### **Running Sum for loop**

Scanner s = new Scanner(System.in);

System.out.print(sum + " ");

int n = s.nextInt();

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

sum = sum + num;

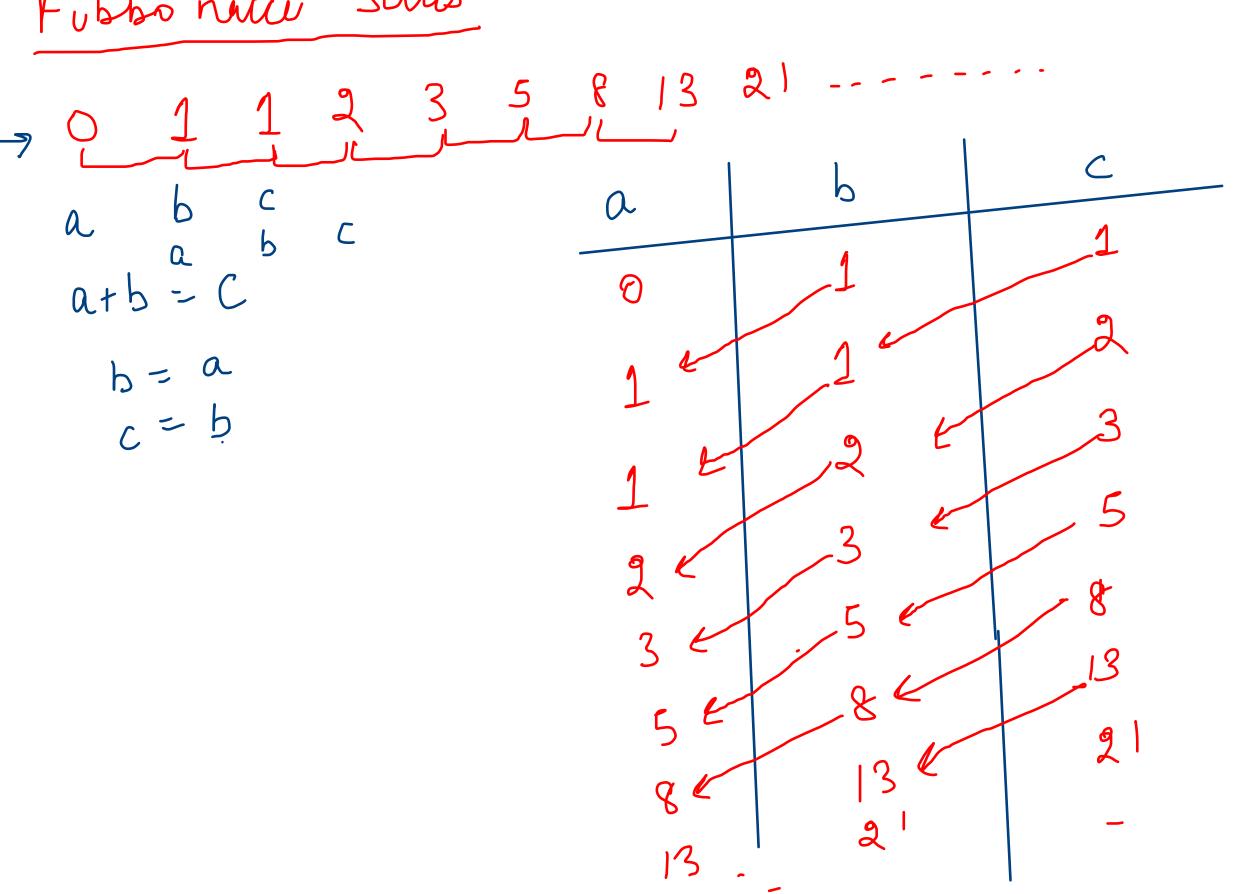
int num = s.nextInt();

int sum = 0;

num

$$\begin{cases} \rightarrow 1 \\ \rightarrow 2 \\ \rightarrow 3 \end{cases}$$

Fibbonui Seins



add last two to get the rent.

```
f(0) f(1) f(2) f(3) (4) (5)
                                                       (8)
                                      (6)
                                               (1)
              1 2 3 5 8
                                               13
                         Scanner s = new Scanner(System.in);
    \alpha = 0
                         int n = s.nextInt();
                         int a = 0;
                                                      0
                         int b = 1;
                         int c;
    C = atb'
                         for(int i = 0; i < n; i++){
                            c = a + b;
                            a = b;
                            b = c;
     p = 0;
                         System.out.print(a);
                                        02574
```

hill book.

initialization

netile (condition) {

1/Statement

upglade

ent i=1 whate [ i < 10)} Syso(i);

#### Print 0 to n

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

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

#### Print 4,13,22,31.....n

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int i = 4;
while(i <= n){
    System.out.println(i);
    i+=9;
}</pre>
```

#### Printing 5 to N(While Loop)

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int i = 5;
while(i <= n){
    System.out.println(i);
    i++;
}</pre>
```

## HW\_Print till n for this Series 5,11,17,23,29..

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int i = 5;
while(i <= n){
    System.out.println(i);
    i+=6;
}</pre>
```

#### HW\_Print In Range(x and y)

```
Scanner s = new Scanner(System.in);
   int x = s.nextInt();
   int y = s.nextInt();
   int i = x;
  while(i <= y){
       System.out.println(i);
```

$$\frac{1}{1}$$
  $8 - 1 = 4$ 

$$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{pmatrix} = 3$$

$$10^{3}$$
 $1 = 3$ 
 $1 = 0 < 3 T$ 
 $1 \times 10 = 10$ 
 $1 = 1 < 3 T$ 
 $10 \times 10 = 100$ 
 $1 = 2 < 3 T$ 
 $100 \times 10 = 1000$ 

i=3<3F

Tribbonaci Scries

$$a = 0 7 (10)$$

$$b = 1 7 (11)$$

$$c = 1 7 (12)$$

$$c = 1 7 (12)$$

$$a = b;$$

$$b = c;$$

$$c = u u u t;$$

n= 12347.10 = 4 1234/10 = 123 1237,1073 Print all digits from end 123/10 - 12 7.10 > gives the last digit of a no. 127,10-2 1/07 remove the last digit from mo. [2/107] 17407 n=1432 110 70 i=1432 1=07 1432 Scanner s = new Scanner(System.in); digit = 14327, 10=2 int n = s.nextInt(); Ü= 14 1=0 T int i = n; while(i != 0){ 1432/10=143 int digit = i % 10; // extract the last digit System.out.println(digit); 147010 = 4 i=143 b=0T i /= 10; // remove the last digit 14/10=1 1437010 = 3 v=11=01 (01=0)F 14010 =1 143/10=14 1/10 = 0

#### Print steps and update maximum

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int steps = 0;
int max = -100;

for(int i = 0; i < n; i++){
   int value = s.nextInt();
   if(value > max){
      max = value;
      steps += 1;
   }
}
System.out.println(steps);
```

