C = a+b; a = b; b = C; Syso(C);

sovies:-

Fibonacci number 12

$$\frac{i4P}{M} = \frac{N=8}{0}$$

$$\frac{1}{1} = \frac{1}{2}$$

int
$$a=0$$
; int $b=1$;



```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
                                            i=0, c=1
    int a = 0;
    int b = 1;
                                                  a = L
    int c = 0; \leftarrow
                                                   6=1
   -for (int i = 0; i < n; i++) {
                                           i=1, c=2
        System.out.print(a + " ");
                                                  Q = 1
       c = a + b;
                                                  b = 2
                                             c' = 2, c = 3
                                                  a = 2
                                                  b=3
                                            i=3, c=5
                                  (=5,
                                                   b=5
                                            (= y,
```

Steps till n greater than 0

Steps till n greater than 0

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
    for (int i = 0; i < t; i++) {
        int n = scn.nextInt();
        int steps = 0;
        while (n > 0) {
            if ( n % 2 == 0 ) {
                n--;
            } else {
               n -= 3;
            steps++;
        System.out.println(steps);
```

nth power of 10 using while loop

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int ans = 1;
    int i = 0;
    while ( i < n ) {
        ans = ans * 10;
        j++;
    System.out.println(ans);
```

3 Steps
Ly understand que
Ly Jogic/dry run

GKSTR46 Number of Digits

int count = 0 r while (n>0) { n = n/10count++;

```
Coge
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int count = 0;
   while (n > 0) {
        n = n / 10;
        count++;
    }
    System.out.println(count);
}
```