While loops

initialization While (condition) { upgradation,

for (int i=0; 1<5; 1++) { 5.0.pln(i) int i=o; while (145) {

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## do mhile loop

initialization
do of

// Statement

// Upgradation

Swhile (condition);

int i= T;

do {

S.o.pin(i);

i++;

hile(i<6);

while (condition) {

Notatement
Upgradation;

int i= T & Jalse

while (ix 6) {

So. pln(i);

i++;

}

Output

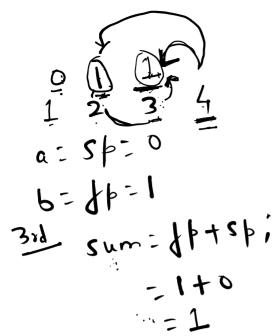
## Fibonacci Series

L) current value is sum ofsbrevious

3 4 5 6 5=1; 5=1

int fibonacciValue (int n) of if (n==1) return 0, if (n=-2) return ! int azo; -> 1st fibonacci value int b=1; ->2nd fibonacci value int sum: 0;  $\frac{n=5}{5}$ . | i=4  $\frac{n=5}{5}$ . | Sum=1+1 a=1 b=1 | a=1 b=2for (i=3; i<=n; (++)? Sum= a+b; a-6; 6: sum. 5:5 Sum = 1+2:3 5.0.p/n(sum); 6-3

Nth Fibonacci Number 7
1 2 3 5 8.13 21



return 0

n=2

return 1

for (int i=3; i<=n; i++) {

sum: It tsp:

Jp: sum;

sp=Jb;

3