## 3. Conditional Statements & Loops

Oif-else:

if (frue) {

Condition-1;

Condition)

}

else {

Condition;

}

@ while i-

while (Condition) (
Condition)
increment;

how many times loop is goint to run.

3 for 1-

For (initialization; Condition; increment) (

Statements;

(9) do-while 1-

statements;
] while (Condition);

dol

## Ofind largest in 3 numbers

⊕ Ousing 4th raciable, a=10 lel max=a, then

b=20 if b>max:

C=30

max = b

# if c>max;

max=c

ebe max=a

max=c)

(3) ind man= Math. max (c, Moth max(a, b))

```
@ fibonacci numbers.
     0,1,1,2,3,5,8,13,21----
\widehat{A} a=0
     (h=0) n=0)
     while (n:=0) {
        int temp = a + b;
         Sout ("n +"th fiboracci number = " + temp);
         a=b;
        b=tmp;
        1++)
O Find Ath Abonacci rumby.
(6) Count occurances? n=1385757879
                     how mary 17' = 3
white (n>0)[
           int Jem = n7.10;
           if Irem == Occur
              Count ++;
        Sout (Count);
```

Revelse 
$$n=1234$$
 ary = 4321

(n>0){

ans = temp = n%10)

1=n/10'

N=1234

am = 0

=> temp = 4

ary = 0 × 10+4

= 4

N=123

ans = 4

temp = 3

ans=4710+3=43

N=12

8

## 6 Switch

In Switch couse, we can directly jumpto various cases bessed on Condition given.

```
Switch(expression) {
       cluse one;
                                              default;
11 Statement;
             11 Statement;
             break;
       Case two:
            11statement;
break;
```

```
Switch (fruit) [
       Case "Mango":
              System. out-printh ("yellow fuit");
              break)
       Cose "Apple")
              3 glem. out printen ("red fuit");
break;
       defeutt:
              System. out println ("entr valid huit");
```