

Today's agenda
Todoy's agenda by it less by while loop
While loop
AIGULIOU



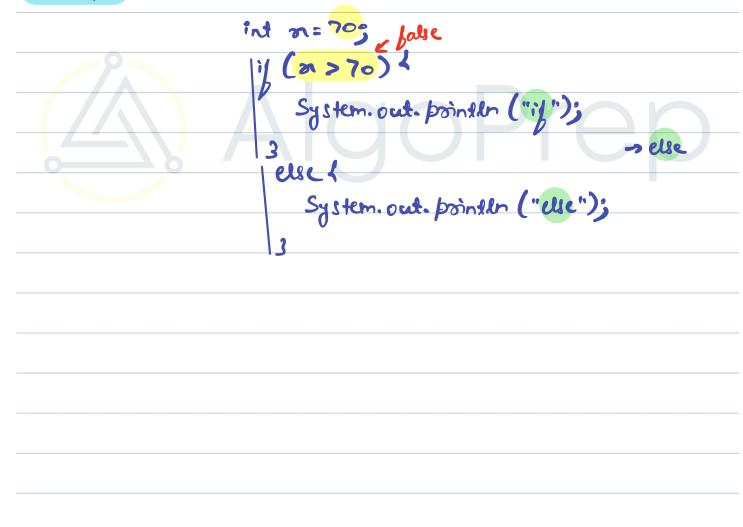
```
// If - else
         b budget > 3k → Shimla
               budget < 3K -> India gate
                              false, India gate
                         true
                      Shimla
         4 if Cond" is tone -> do task 1

1 if Cond" is pake -> do task 2
               if (conon) <
                                           Condh:: true: Statement 1
                  11 Statement 1
                                        if Condh:: Jale: Statement 2
               else {
                   11 Statement 2
```



Qui21:	+suc	
	11/ (15 > 7) K	
	S.o.p ("ij");	
	3	
	else (	
	S.o.p ("else");	
	1	

#### Quiz 2:





a) Read a number and check if number is even or odd?

even no: divisible by 2 -0 odd no: not divisible by 2

```
// "static void main" must be defined in a public class.
                                                                          Finished in 142 ms
public class Main {
                                                                          even
    public static void main(String[] args) {
       Scanner scn = new Scanner(System.in);
        int num = scn.nextInt();
        if(num % 2 == 0){
           System.out.println("even");
        }else{
           System.out.println("odd");
                                                                         stdin 🗹
   }
                                                                         26
        Live
Share
```



# // logical operator -> 22, 11

## -> and operator (88)

alle dominated	Condul	81 Cond 12	ans
b	Т	T	T
	3	T	3
	Т	<u> </u>	3
	3	<del>}</del>	3

-) 2 Condh

Condry	84 Cond 2 81	Condig	ans
 T	T	3	3
T	Т	T	T
7	3	T	3

<b>→</b>	int a: So;	
	int y = 30;	
	111 x>60 22 4220)	
	int y = 30; i) ( x > 60 22 y > 20) ( 3.0.p ('11');	
	2	→ else

s.o.p ("elle");



-	00	operator	/ // )

T	<b>T</b>	
7		
<b>J</b>	T	
3	7	
3	3	
_	<b>ે</b> ક	3 3 3

	-)	2	Condh
--	----	---	-------

/ PA	Condus	11 Cond 2	11 conding	ans
	T	T	3	T
	T	T	T	
	7	3	3	3

inf 
$$x = S0;$$

inf  $y = 30;$ 

if  $(x > 60^{2})$ 

S.o.p (''ij');



Q) Read a number. If number is divisible by 2 003 Point "divisible", otherwise Point "not divisible".

```
▶ Run Code Untitled 
                                              Save
                                                         Java ▼
                                                                           Output: Finished
                                                                                                                  Clear Console
1 // "static void main" must be defined in a public class.
                                                                            Finished in 158 ms
2 v public class Main {
       public static void main(String[] args) {
                                                                            not divisible
           Scanner scn = new Scanner(System.in);
5
           int num = scn.nextInt();
6
           if(num % 2 == 0 || num % 3 == 0){
8 ₹
               System.out.println("divisible");
9
10 ▼
           }else{
               System.out.println("not divisible");
11
                                                                          stdin 🗹
12
                                                                          29
13
14
15
16 }
 C Share
            Live
```

### -> marks = (infly)

- -> marks > 90 -> enc.
- -> marks >80 11 marks e: 90 -> good
- → marks >70 &8 marks <= 80 → avg.
- -> marks > 60 &8 marks <= 70 -> below Avg.
- -> marks < 60 -> fail



# if l'Else if () .... l'Else

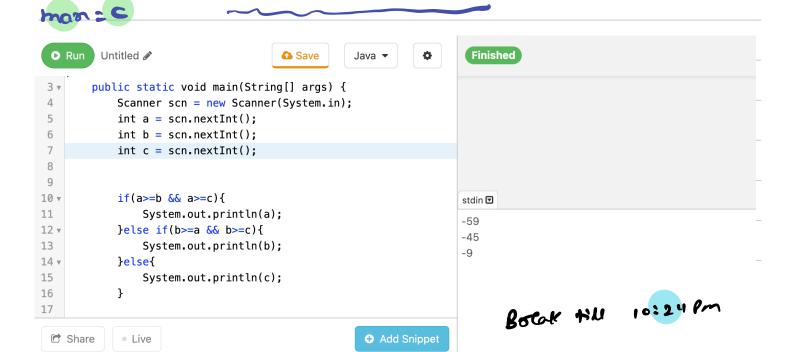
```
semaining else if.
                                 alse -> Check new cond's
else if Condn2 X
                                      - enc. st.2 and skip
                                            semaining else if.
    11 Statement 2 Condn 2
                                Jalse -> Check new condh
                               Tour - enc. St. 3 & skip
else if (condn3) 4
                                           semaining else if.
   11 Statement 3 Condn3
                                false -> Check new cond's
else f
    115 totement 4
```



Compas	ison
if (conors)	ig (condrs) (
11Statement 1	11Statement 1
3 palse	3
if (condr2) {	else if (condr2) {
11Statement 2	11.Statement 2
3 essue	
id (condr3) {	else if (condr3) {
11Statement 3	11Statement 3
3 sple	
ig (conory) {	else if (conory)?
11Statement 4	11Statement 4
3	
Statement 1	Statement 1
Statement 1 Statement 3	
	non a a se tous
	_









//Intro +	to leofs
	4 Point all numbers from 1 to 5.
	S.o.p (1);
	S.o.p (2);
	S.o.p (3);
	S.o.p (4);
	S.o.p (s);
	4 Point numbers 1 60 105.
<b>3</b>	Do Similar things multiple times. : 100Ps 60 While loop
	Go for loop
	li double
	4 to con
Q) P	oint all numbers from 1 to 5.
	int 1: 19
	while (ie=5) 4
	System. out · pointin (1);
	itt
	13



int 1: 19	i	ies	Pains
while (ie=5) 4	1	T	L
System. out · pointin (1);	2	T	2
	3	T	3
1+1 3 08 1= 1+13	4	Τ	4
13	5	T	5
<b>-</b>	6	3	
		benit	

		of while loop
1.	initializ	e coop voliable.
2.	work	while along with cond
		while (iess) 4
		3
3.	The	Statement you want to our.
		System. out · println (1);

41. updation of book variable.

Quiz 3:	î	1<10	Point
	5	T	5
int 1=5;	10	3	
int i=5;   while (i<10) {		breni+	
Systemout. point (i);			
i: i*2;			
3			

Quiz 4:	° i	:<5	Point
	1	T	L
int i=1 ?	3	) FC	3
int $i=1$ ; while $(i<5)$	5	3	
Systemout. point (it")	•	Lenit	
i:i+2;			
3			

anizs:

luiz S:	î	2:< i	Point
While (i>=5)4	1	3	
While (i>=5) {  System.our. point (i);  i++;		bsenit	
i++;			
3			
<b>→</b>			

aviz 6:	î	2:5	Point
int 1:13	L	7	1
> while (ic=5){	1	T	ı
System.out.print(1);	1	Т	1
	,	T	1
binginite bot		T	•
	(		(
auz 7:			

int 150;

while (i<=5) \	î	2:5	Point
System.oud. point ("Algobel");	3	T	<b>y</b>
1=1+1:		rtal	4
3 7 7 7 7 7	2	1	L
Li How many times Algorser will be Printed	1! 7	7	4
	4	Т	~
46	5	T	4
	6	3	
		benit	·