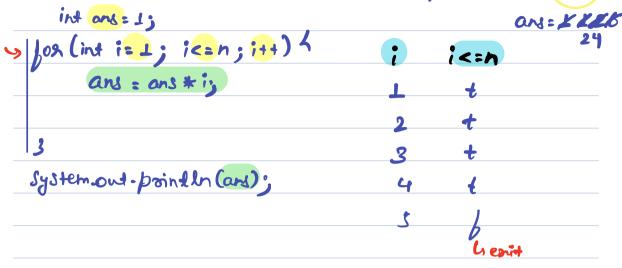


Today's agenda
Today's agenda by Jactobial by "Cy & "Por by Junctions
La he a he
4 Junctions
<u> </u>



Q) factori	Criven N, Point Jactorial of N.  Ruiz 1: Jact (4): 1*2*3*4: 24  Jact (N): 1*2*3*4 **N
11Psuedo	Code
	Public Static void main () {
	Scanner Scn = new Scanner (systemin);
-0	ind n = Scn. nextInf();
	int ans=1;  Jos (int i=1; i<=n; i+1) 4  ans = ans * i;
	2
	Systemout-pointln (ans);
	3

N= 4







11 °Cs and Pr

Quiz 2: 
$$\frac{120}{3}$$
  $\frac{120}{641}$   $\frac{120}{641}$   $\frac{120}{120}$   $\frac{120}{1$ 

a) Chiven n	and s, write	an algorithm	to Calcula	te co.
	Λ I =			12 (r-8
	Alé	JOH	10	

## 11 Psuedo code

```
PS v main () {
   Scanner son = new Scanner (systemin);
       ind n = Sch. newlind();
       int = SCh. nerd Ind ();
           ind mjact = 1;
             for (int 1:1; i <= n; i+) {

njoct = njoct + i;
             for (int := 1; i <= 8; i++) \

Flact = 8 foct *i;
               los (ind i=1; ic=n-o; i++) <

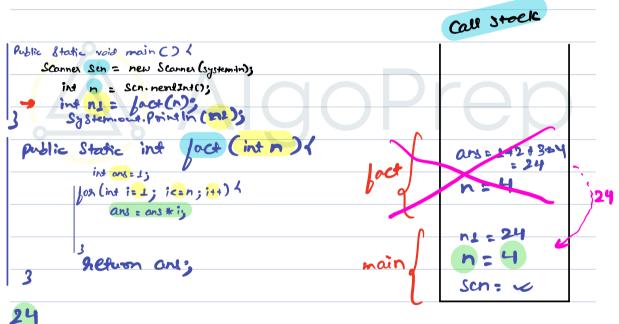
none foct = none foct ** is
           int ans = njact/(ojact * nmsjact),
              System.out. Pointln (ars);
```



DRY -> Do not select yourself
Jones La Jon
Junction
Screw drives - open e close nut & bolt.
buy Scoendsiver
b open & close toble's nut 1 bold -) we the
Previously
Lucker Dught South Chive.
infut Durket Oriva.
AIGUILE
Syntam:  Skip He por now outfut type  public static int name (infut) {
Public Static int name (infut) {
//Statement 1
11 Statement 2
13



```
Public Static void main () {
                                                  Public Static void main () {
                                                      Scanner Scn = new Scanner (systemin);
     Scanner Sch = new Scanner (systemin);
                                                         int n = Sch. nealInt();
        ind n = Sch. nextInt();
                                                               fact(n);
             int ons = 1;
                                                 public Static int lack (int n ) {
          yoa (int i=1; i<=n; i++) 4
               and : ons * is
                                                            int ons: 1;
                                                         Jos (int i=1; i<=n; i++) 5
                                                              ans : ons * is
          Systemout-pointly (ans);
                                                          hetern and;
```



return in Junction == Bolak in for loop.

-> Called funct () but you don't want to setum anything from there -> type of function should be roid.

Bolak till 9: 23 Pm



## 11 hcz wing function

```
Public Static void main () {

Scanner Scn = new Scanner (system-in);

ind n = Scn. nemlInd();

ind v = Scn. nemlInd();

int nfact = fact (n);

int nfact = fact (v);

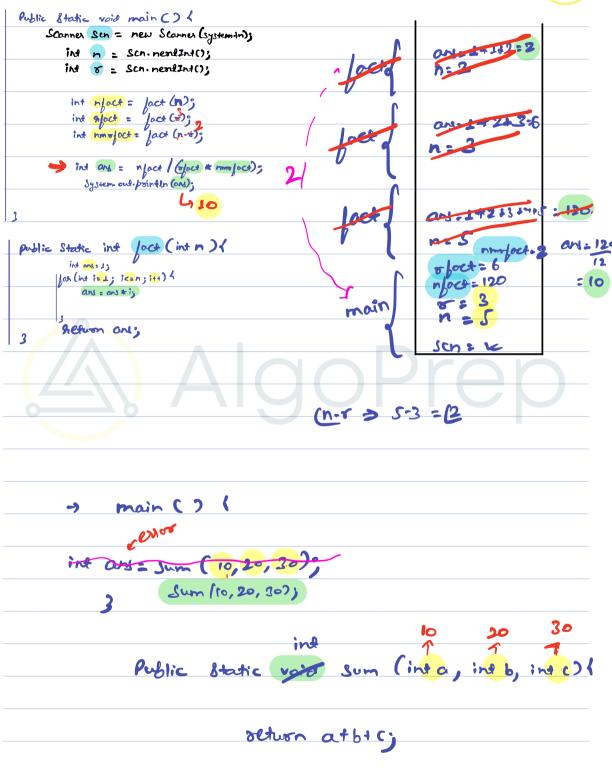
int nmajoct = fact (n-v);

int nmajoct = fact (n-v);

System out.pointln (ans);
```

pu	blic Static int Jack (int m ) {
	int and: 1;
	Jos (int i=1; i<=n; i++) }
	Jos (int i=1; i<=n; i+1) 4  ans = ans * i;
	3
3	helvon and;







i2 4:		- <b>.</b>	
ablic Static	void main (stoing []	a <del>og8) (</del>	
Po	Oduck (5,10);		
2	50		
)			
		Produ	8 - 10
ublic Rtatic in	& Product Cint o, in	& b)<	a:a
3 80	um axbg		
		mait	<del>\</del>
			1
	6 no outfut		(
int on=	Subtract (5,10); em.out.println (and);		enor
Aublic Static	void Subspace Cint o,	int b) (	
1	seturn a - by		
3			
3			
3			
3			



## Quiz 6:

Aublic Static void main (stoing () args) (  int n1 = cube (3);  System. out. primile (add (x), cube(x)));  Aublic Static int add (int o, int b) (  return a + b;  Public Static int cube (int a) (  return a*a*a;  hi: 27
Aublic Static int add (int o, int b) 4  obtains at by  Rublic Static int Cube (int a) 4  main
Aublic Static int add (int o, int b) 4  Public Static int Cube (int a) 4  main
Aublic Static interest and Cint o, interest and Control of the Con
Rublic Static int Cube (int a) & main
Rublic Static int Cube (int a) & main
Public Static int cube Lint a) L main
Public Static int cube (int a) 1 main
The state of the s
AIGOPTED