\* lecture 5 - Conditionals and Loops + Calculator Program

#1) Conditional Statements (If, else, else-if)

Syntage if (boolean eugression Ter F) else if (boolean eup? Ton F) else do this Code; P11 Conditionals, jova Package com tejas; Info Public class P11 (anditionals ? Public static word main (string [] corps)

int salary = 25400; if (Salary 710000) {
Salary + = 2000; 11 Salary = Salary + 2000 else if (salary 720000) {
3
3 3 System, out. println (solary); #2) loops for stepeadedly while some cond'evaluate to 3 types of Loops, -1.) helile læsep 2.) do-while losep 3.) for losep.

1) While - loop :-Syrtan: while ( cond ?) 3 body P12 While loop, joura en:- Code 2) la-While loop : Syntane; do {

body

while (cond"); en'- Code - P13 Dohlhile Loop, joura 3) for loop: Syntan :for (instialization; cond"; increment/decrement) body en: Code - P14 Foorloop, jour

Næte; J.) When we know how many times loop going to run nee use for loop like point first 10 dates numbers of counting otherwise we use while Ids-while loop like take 1/p from user untill he/she presses ic and print them.

2) Till" blue while & Do-while loop is that do phile executes at least once even if cond" is false.

#3.) Procline programs, -

1) Take 3 numbers as ilp and point largest Number among these 3.

lade: P15 largest Number java

2.) Take an alphabet from user (lover or upper case) and tell whether it is upper or lover case

Code, - PIBAlphalhecklase, jour

3) Take no leven user and count how many times a particular digit occur in that no.
en; 780i835604 9 occur 2 times
8 11 2 11 etc.

Code: - P18 Count Decurance, jour

(1) Take an ill brom user and prints its Equalent fibbonacci series value eu; - I/p: - 7 fibonoui series: -01123581321... So Olp should be; - 13 lode; - P17 Fibonassi, jova 5.) Take a number from user and print its en: - I/p: -56789 0/0;-98765 Code; - 119 Reverse jour 6.) Make a calculator in which user can input infinitely untill press X and also ask for aperation each time after operation Code; - P20 Calculator X. jova A 38+49 is 87 42 e7 +42 \$\$ 138