1	David Ma
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* Conditionals And Loops

Condition: - it provide check for the statement

1. If else statement -> used to check the condition it checks the boolean condition True or false

Syntax:-

Tif (boolean expression True or False) {

} else{

11 Body

Ex

Salary = Salary + 2000;

elsef

Salary = Salary + 1000;

System. out. Println(salary);

out put:-

27400

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```
. Multi if-else statement
  -> It executes one condition from multiple
  statements.
syntax:-
  if (condition 1) {
      11 code to be executed if cond 1 is true
  else if (condition 2) 5
   11 code to be executed if cond 2 is true
  else if (condition 3){
    11 code to be executed if cond 3 is true
  else 5
      I code to be executed if all cond's are
Ex.
 int salary = 25400;
if (salary > 10000) {
 5dagy + = 1000;
  else if (salary <= 20000) {
      Salary + = 2000;
   elses
      salary + = 3000;
    System.out. Println (salary);
output:-
    28400
```

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- Loops: Loops are used to iterate a part of program several times.		
1. Fox loop: - It is generally used when we know how many times loop will iterate,		
Syntax:- Por Cinitialization; condition; increment/decrement) - {		
J body		
Fx:- Print nos from 1 to 5 for (int num=1; num<=5; num+=1)f System.out. Print(num+");		
output:-12345		
2. While Loop: - It is used when we don't know how many time the loop will iterate.		
Syntax: while (condition) { // code to be executed // increment / decrement		
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   int num = 1;
   while (num <= 5) }
      System.out.print(num);
        numt = 1;
output: - 1 2 3 45.
3. do while loop: - It is used when we want to
  execute our statement at least one time.
 -> It is called exit control loop because it
 checks the condition after execution of
  statement.
Syntax:-
dog
   11 code to be executed
   1/ update statement -> increment 1 decrement
 } while (condition)
  int n = 1
 405
     5ystem.out.println(n);
  3 while (n <= 5);
output: - 1, 2, 3 45.
```

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while loop	Do while loop
- used when no of iterat? - is not fixed.	execute the statement of least ones
- Entry controlled loop	· Exit contactled loop
no semicolon sequised at the end of while (cond?)	est the end of while (cond")