04-09-05 OPERATORS: \* Operators are Used to perform Operation on Vorhables and Values 19: post (10-15) 110 15 Operande TYPES OF OPERATORS: - [7 types] 1) Arithmetic Operators: [+,-,\*,1,01-,\*\*+,+] 1 1/Floor division Modulus Exponentiation [x//y] [X1.5] 2) ASSIGNMENT OPERATIONS: \* It is closed to assign Values to the Variables =, +=, -=, \*=, !=, !!= · \*\*=, D=, |=, ^=, ^=, >>=, LL=, !=] 3) COMPARISON OFFERTORS: It is Used to Compase two Values == -> Equal != > Not Equal > = Greater Than L => Less than > = 3 Greater than or equal to <= => less than on equal to

4) LOGICAL OPERATORS:

It is Wed to Combine the Conditional Statement

Oper and -> Returns true if both Condition Istaleman or => Return true of one condition is true

in and Values

not => Reverse the sesut, actions take if the DeButt is true

5) \_ dentity Operator:

+ It is Used to compare the Objects, not if they are equal but if they are actually the same object with the Same memory Location

Oper

Return true if the bothe variables are Eg: x is y thanklead to league

ii) is not: Returns tour it both variables are Not the Same Object

Eg: X is not Y

1) Membership Operator: It a Used to test & a Sequence is present in an object. 2) - [Not]: - Lovexe all the bits Ope i) In: Returns true it a sequence With the Specified Value present in the Object Eg: Xin y ii) not in: Returns true if a Sequence With the Specified Value is Not present in the Object 7) Bituilse Operator: \* It is load to Compase the (binary) numbers. Oper i) & CAND) => Set each bit to 1 it both bits are i) 1 (OR) => set each bit to 1 if One of the two bits is 1' Fouth Table OR And 0 0 0 0 0 1 0

inda[xor]: Set each bit to 1 21 only one of top bits is 1 i) u [Not]: Invexe all the bits VZZ > Left shift vi) >> > Right shift Y mix 13 Operator \* \*\* -> Exponentiation

\* O -> Pasentheses \* +x, -x, -x -> Unooy plus, Onarry minus, and bitalise Klot 4 It a Class to Company the Chiany) rumbers. and the set of the to the company 1 (CD = 24 each lit to 1 is the article