low language level

-the language of the computer

-consists 1,0

-easy to excuted

-hard to programming

-con run on only one of kind of computer and have been written on another

-like c , assembly

High level language

-easy to programme

-takes less time to be coded

-easy to be corrected

-portable

-like java , c# , python

5-interpreter vs compiler

Interpreter

the interpreter will transform the code from the first to the end word by word

-if interpret found an error it will stop working and raising problem to solve

- like python

Compiler

-compiler will transform the whole code

-if compiler found an error it will continue when it finish it will raising all errors to solved

-like c#

7-python operators

%--------- modules divided and returns reminder

\*\*---------- exponential performs exponent(power)

//----------- floor division the result of division without float only digit numbers

Operator precendenc

* ()
* \*\*
* \* and /
* + and –

10-python conditions

if else in single line

True Condition False

11-examples for conditions

if all([ ]) all conditions must be approved like and function

if any([ ]) any conditions must be approved like or function

equal=value1==value2--------mean equal=true if value1==value2

12-python loops part 1

loop types

* while loop
* nested loop
* for loop
* infinite loop

Else with While---------get more options

13-python loops part2

For Vs While

-you should use for loop if u know number of iteration

-the loop iterates over the elements of collection

-the loop iterates over the range of values which is known in advance at execution time

While loop

while loop is simple loop until the condition is false

while loop is more general because the loop condition more flexible and can complicated than that of for

while loop can take every boolean expression as condition

16-python loops example part2

print(‘\*’,end=’’) -----to print \* near \*