Homework??~~Done?

Anyone?

if homework = = "Done";

print ("Yay!")

else;

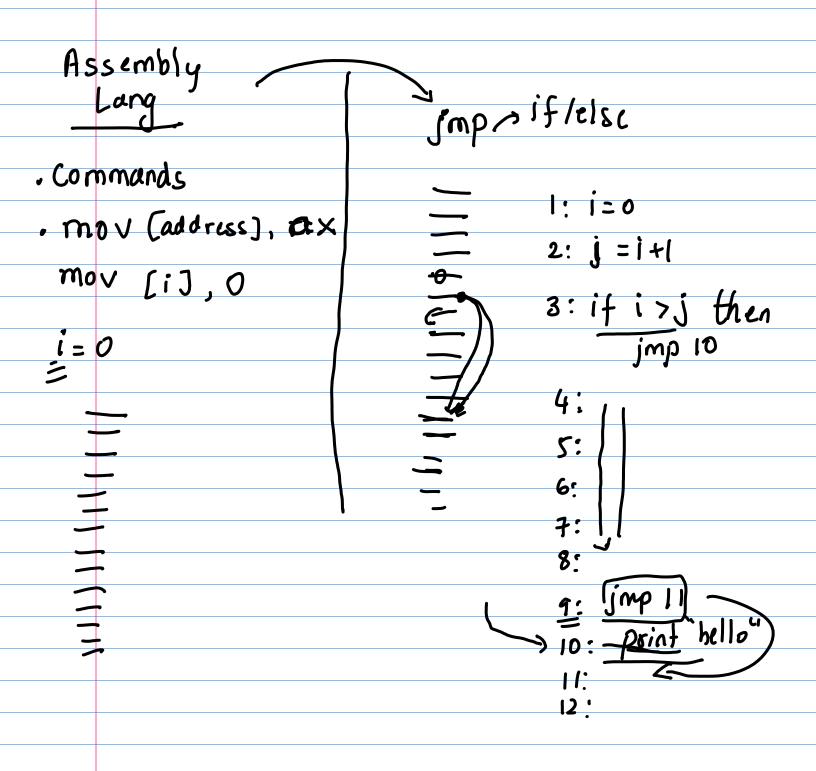
print ("Nay.") J# 1

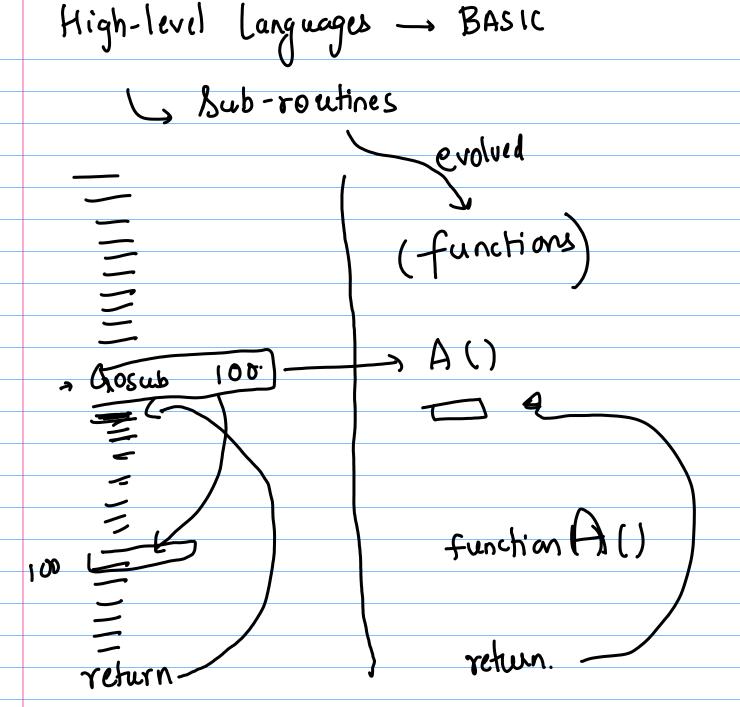
So? In the chat please...

```
lists
           Strings -> functions
         g = "hello this is a sentence"
         for ch in s:
                                  output!
          if ch == ":
                                    h cllothis is a sent-ence
               Continue
             52 = 52 + ch
         print(s2)
          S = "hello"
          1=0
         i = len (s)
          while (i< 1):
           if ( 1 1/2 == 1).
print ( s[i])
                                     0
```

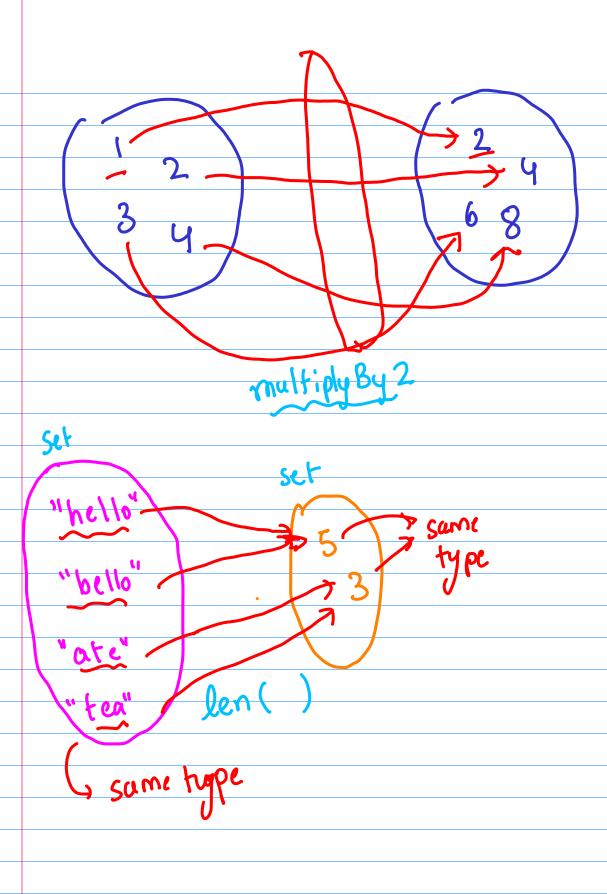
```
0 (2345678 4 10 4 1213 14 1516 17
       S = "this is a sentence"
       \omega = []
        i=0
        j= len(s)
        while (i < j):
             if (S[i] == "") and (i > 0) and (s[i-1]!= "")
            102 W. append (cs)
   18
   Kimes
             else: cs = 'cs + s[i]
              しっくゃし
                                   condition
                                                 C5
         print (w)
                                   False
                                                 "£"
                                                 "th"
                                   False
                                     False
w=["this"]
                                                 "this"
                         in 3 il False
                                                  1111
                                   True
W= (" this",
                                    False
                                                  "is"
                                    False
 ("His" "is", "a",
                          1:7
                                     Truc
```

FUNCTIONS





	Programmers -> Mathematicians	
	Maths → functions	+,-1/x operators
se1 (what are is the schof students in this class? S"Iksha", "Adit", "Yuv", "Rupanjan", "krih"? The function forwards colors.	
STUDER	functions fovors A set of 5 colors "red", "Light blue", black	
	Set of things Set of thi	ings



Set is a mon-repeating collection of items of the same type.

· Set of all integers -> int

. School all strings -> setstr

CARTESIAN PRODUCT

Set.

 $\begin{array}{cccc}
A & B & C & A \times B \\
 & & & & & & & \\
 & \times & & & & & & \\
 & \times & & & & & & \\
 & \times & & & & & & \\
 & \times & & & & & & \\
 & \times & & & \\
 & \times & & & \\
 & \times & & & \\
 & \times & & & \\$

```
Example of Cartesian products ->
A = ?" yuv", "Adit", "Rupanjan" } 3
      "red" "green" } 2
        { ("yuv", "red"), ("yuv", "green"),
           ("Adit", "red"), ("Adit", "green),
           ("Rupanjan", "(ed"), (Rupanjan, green)
```

A × B × C
$$\rightarrow$$
 cartesian product

A = {(1) 2 | B = {(c), ||d||}, C = {(1 \cdot 2), 33}}

A × B × C = {(1, ||c||, |1 \cdot 2), (1, ||c||, |3 \cdot 3), |}

B elements

(2, ||c||, ||1 \cdot 2), (2, ||c||, ||3 \cdot 3), |}

repearing

(2, ||d||, ||1 \cdot 2), (2, ||d||, ||3 \cdot 3), |}

is also a set

set for set

