Python Programming While Loops 2

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Let's sum 1 + 2 + 3 + 4 + 5

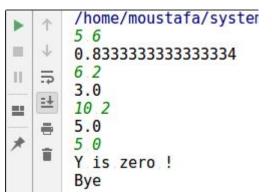
- We can now make any complex logic that requires repetition!
- Let's trace the code

Let's sum 5 + 4 + 3 + 2 + 1

```
3
4
X = 5
5
Sum = 0
6
7
while x >= 0:
8
Sum += x
9
A x -= 1
10
print(sum) # 15
```

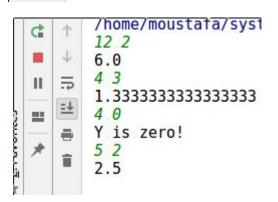
We can do the reverse: go from high to low

Using break



- Write a program that KEEPs reading 2 numbers and print their float division
- If the 2nd number is zero
 - Print Bye
 - End the program
- We can use word break to stop the while and go AFTER it

Using continue



- Continue tells computer to JUMP to the while start again and continue from there
 - So statements after it INSIDE the while body is skipped

"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."