

Debugging steps

can't find pattern

7 Algorithmic problem

- 1) work on instance yourself
- 2) write down exactly what you did
- 3) generalize your steps from
- 4) Test your steps
- 5) Translate to code
- 6) Test program
- 7) Debug program

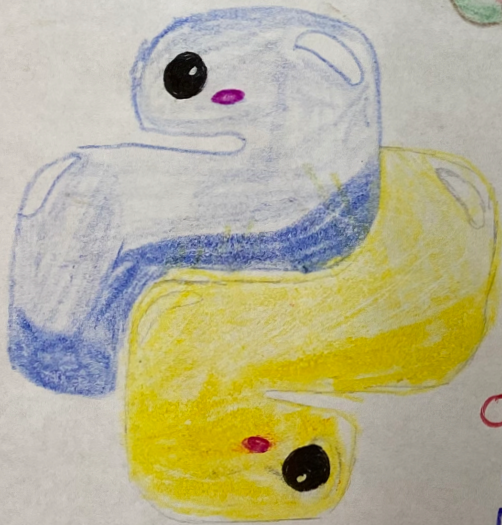
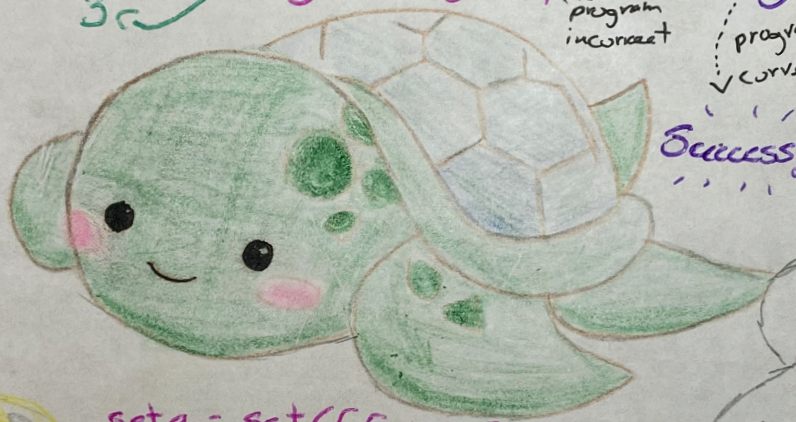
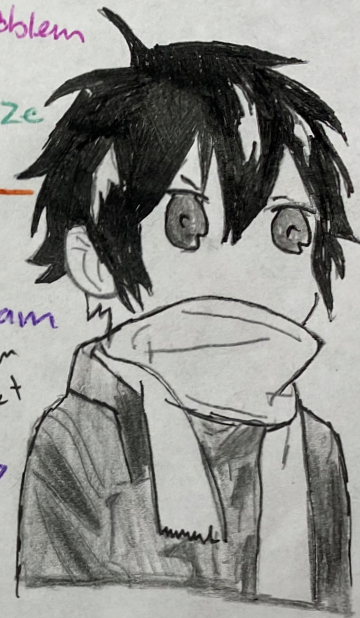
Implementation problem

program incorrect

program correct

Success!

for while loop



```

seta = set([5,4,2])
print(seta)
print(list(seta))
print(sorted(seta))

```

```

Output:
{5,4,2}      4 = int
[5,4,2]      4.5 = float
[2,4,5]

```

dict = {key: value}

Indexing starts at zero!
0, 1, 2, 3, ...

len(x)
 phrase.split(x)
 'x'.join([list])
 Set = unique!

if ...
 elif ...
 else ...
 return ...

