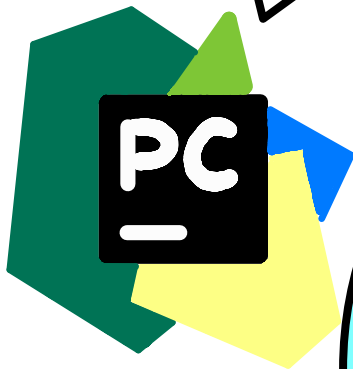


Computer Science 101 Takeaways

The computer
was born to solve
problems that did not
exist before.
- Bill Gates



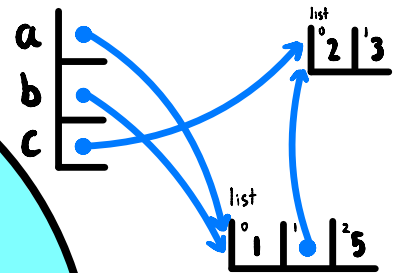
```
a=[1,[2,3],4]
```

```
b=a
```

```
b[2]=5
```

```
c=b[1]
```

Global frame



SORTED

```
student_tuple = [('john', 'A', 15),  
                  ('jane', 'B', 12),  
                  ('dave', 'B', 10)]
```

```
sorted(student_tuple, key=lambda student: student[2])  
[('dave', 'B', 10), ('jane', 'B', 12), ('john', 'A', 15)]
```

- The lambda operator creates small, one-time,
anonymous functions in Python.

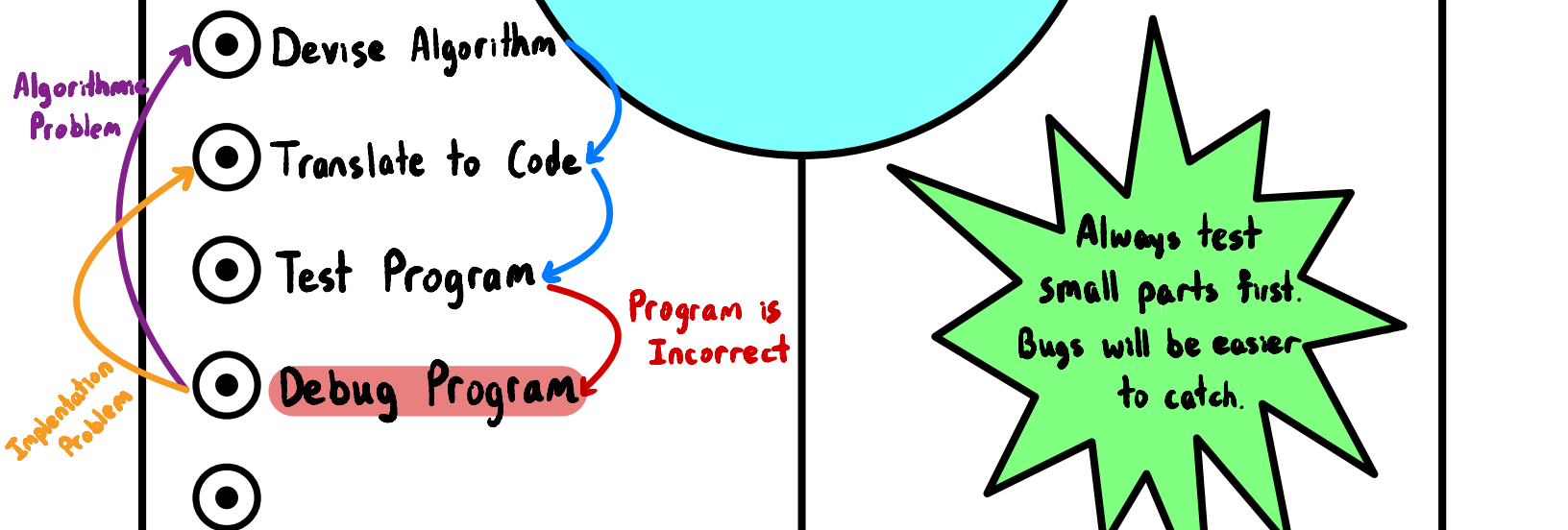
⦿ Devise Algorithm

⦿ Translate to Code

⦿ Test Program

⦿ Debug Program

⦿



Always test
small parts first.
Bugs will be easier
to catch.