Python Tutor: Visualize code in Python, JavaScript, C, C++, and Java

Python 3.6
([known limitations](#))

```
1  class Vehicle:
2      def __init__(self, name, mileage, capacity):
3          self.name = name
4          self.mileage = mileage
5          self.capacity = capacity
6
7      def fare(self):
8          return self.capacity * 100
9
10 class Bus(Vehicle):
11     def fare(self):
12         amount = super().fare()
13         amount += amount * 10 / 100
14         return amount
15
16 School_bus = Bus("School Volvo", 12, 50)
17 print("Total Bus fare is:", School_bus.fare())
```

Edit this code

→ line that just executed
➡ next line to execute

| << First | < Prev | Next > | Last >> |

Step 3 of 17

Customize visualization

Print output (drag lower right corner to resize)

Frames   Objects

Global frame

Vehicle
Bus

Vehicle class

| __init__ | function
__init__(self, name, mileage, capacity) |
| fare | function
fare(self) |

Bus class [extends Vehicle]

| fare | function
fare(self) |

why are there ads? | unsupported features

| Generate permanent link |
| Generate embed code |

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