

```
public class Vehicle {  
    String producer, type;  
    int topSpeed, currentSpeed;
```

```
    public Vehicle(String p, String t, int tp) {  
        this.producer = p;  
        this.type = t;  
        this.topSpeed = tp;  
        this.currentSpeed = 0;  
    }
```

```
    public void accelerate(int kmh) {  
        if ((this.currentSpeed + kmh) > this.topSpeed) {  
            this.currentSpeed = this.topSpeed;  
        } else {  
            this.currentSpeed = this.currentSpeed + kmh;  
        }  
    }
```

```
}
```