|  |
| --- |
| Automobile |
| \_\_make  \_\_model  \_\_mileage  \_\_price |
| \_\_init\_\_(make, model, mileage, price)  set\_make(make)  set\_model(model)  set\_mileage(mileage)  set\_price(price)  get\_make()  get\_model()  get\_mileage()  get\_price()  \_\_str()\_\_ |

|  |
| --- |
| Truck |
| \_\_drive\_type |
| \_\_init\_\_(drive\_type)  set\_drive\_type(drive\_type)  get\_drive\_type() |

|  |
| --- |
| Car |
| \_\_no\_of\_doors |
| \_\_init\_\_(no\_of\_doors)  set\_no\_of\_doors(no\_of\_doors)  get\_no\_of\_doors() |

|  |
| --- |
| SUV |
| \_\_passenger\_capacity |
| \_\_init\_\_(passenger\_capacity)  set\_pass\_cap(passenger\_capacity)  get\_ pass\_cap () |

|  |
| --- |
| CarExtension |
| \_\_performance |
| \_\_init\_\_( performance )  set\_performance(performance)  get\_performance() |

|  |
| --- |
| Area (abstract) |
| \_\_length  \_\_width  \_\_height |
| \_\_init\_\_()  getArea() |

|  |
| --- |
| Square |
|  |
| getArea() |

|  |
| --- |
| Rectangle |
|  |
| getArea() |

|  |
| --- |
| Rectangle |
|  |
| getArea() |

Abstract class means it will provide skeleton

And all the members need to be overridden inside

The subclass

|  |
| --- |
| Rectangle |
|  |
| getArea() |

|  |
| --- |
| Rectangle |
|  |
| getArea() |
|  |
| Triangle |
|  |
| getArea() |

|  |
| --- |
| Rectangle |
|  |
| getArea() |