|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Line No** | **Program Statement** | **Method** | | | | **Polymorphism** | | | **Encapsulation** | | | | | **Abstraction** | | | | **Total** |
| **Wrt** | **Npd** | **Nnp** | **Cm** | **Nol** | **Nor** | **Cp** | **Ngm** | **Nsm** | **Nga** | **Nsa** | **Ce** | **Nac** | **Nam** | **Ni** | **Ca** | **Tc** | |
| 1 | class CityClass { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 2 | private String cityName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 3 | public String getCityName() { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 4 | return cityName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 5 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 6 | public void setCityName(String cityName) { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 7 | this.cityName = cityName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 8 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 9 | @Override |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 10 | public String toString() { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 11 | return cityName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 12 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 13 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 14 | class State { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 15 | private String stateName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 16 | List<CityClass> citys; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 17 | public String getStateName() { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 18 | return stateName; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 19 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 20 | public List<CityClass> getCities() { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 21 | return citys; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 22 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 23 | public void setState(List<CityClass> citys) { |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 24 | this.citys = citys; |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 25 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 26 | } |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |