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| Student.cs |
| **Line** | **Code** |
| 123456789101112131415 | using System;namespace University { class Student:Person { public float CGPA; public Student(string name, float cgpa):base(name) { CGPA = cgpa; /\* \* Another 100+ lines of common initialization logic \*/  } public Student():this("",0.0F) { } }} |
| Person.cs |
| **Line** | **Code** |
| 12345678 | namespace University { class Person { public string Name; public Person(string name):base() { Name = name; } }} |

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| Staff.cs |
| **Line** | **Code** |
| 123456789101112 | using System;namespace University { abstract class Staff:Person { public double Salary; protected double EPF\_CONTRIBUTON = 0.11; public Staff(string name, double salary) : base(name) { Salary = salary; } abstract public double getMonthlySalary(); }} |

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| Lecturer.cs |
| **Line** | **Code** |
| 1234567891011121314 | using System;namespace University { class Lecturer:Staff { public float Allowance;public Lecturer(string name, double salary,  float allowance):base(name,salary) { Allowance = allowance; } public override double getMonthlySalary() { return (1.0 - EPF\_CONTRIBUTON) \* Salary + Allowance; } }} |

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| Clerk.cs |
| **Line** | **Code** |
| 12345678910111213141516 | using System;namespace University { class Clerk:Staff { public float OTRate; public ushort OTHours;public Clerk(string name, double salary, float otRate) :base(name,salary) { OTRate = otRate; OTHours = 0; } public override double getMonthlySalary() { return (1.0-EPF\_CONTRIBUTON) \* Salary + (OTHours\*OTRate); } }} |

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| Manager.cs |
| **Line** | **Code** |
| 123456789101112131415 | using System;namespace University { class Manager:Staff { public float CarAllowance;public Manager(string name, double salary,  float carAllowance):base(name, salary) { CarAllowance = carAllowance; }public override double getMonthlySalary(){//Operation (WHAT) //Method (HOW) return (1.0-EPF\_CONTRIBUTON)\*Salary + CarAllowance;  } }} |

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| HRManager.cs |
| **Line** | **Code** |
| 123456789 | using System;namespace University { class HRManager:Manager { public HRManager(string name, double salary) : base(name, salary, 500.0F) { } }} |

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| SalesManager.cs |
| **Line** | **Code** |
| 12345678910111213141516171819 | using System;namespace University { class SalesManager:Manager { public float PetrolAllowance; public double MonthlySales;public SalesManager(string name, double salary, float carAllowance, float petrolAllowance) :base(name,salary,carAllowance) { PetrolAllowance = petrolAllowance; MonthlySales = 0.0; }override public double getMonthlySalary(){//Operation (WHAT) //Method (HOW) return (1.0 - EPF\_CONTRIBUTON) \* (0.6\*Salary) + (0.1\*MonthlySales) + CarAllowance + PetrolAllowance;  } }} |