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| Departments “interface” |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

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| --- |
| csDepartment implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| csDoctors implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| csStudents implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| isDepartment implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| isDoctors implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| isStudents implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| bioDepartment implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| bioDoctors implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

|  |
| --- |
| bioStudents implements from (Department) |
|  |
| + headOfDepartment() : void  + doctors() : void  + students() : void |

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| --- |
| abstractClass |
|  |
| + getfDepartment(departName : String) : departments |

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| --- |
| CS extends from (abstractClass) |
|  |
| + getDepartment(departName : String) : departments |

|  |
| --- |
| IS extends from (abstractClass) |
|  |
| + getDepartment(departName : String) : departments |

|  |
| --- |
| BIO extends from (abstractClass) |
|  |
| + getDepartment(departName : String) : departments |

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| --- |
| factoryProducer |
|  |
| + getFactory(n : int) : abstractClass |

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| Bonus\_program |
|  |
| + main() : void |