Assignment 1

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| **Patient** |
| - patientID: const int  - name: string  - address: string  - contactNumber: string  - patientCount: static int  - appt: Appointment  - cost: float |
| + Patient()  + incrementPatientCount(): static void  + generateBill(): float  + bookAppointment(): void  + getPatientCount(): int  + setName(name: string): void  + setAddress(address: string): void  + setContactNumber(number: string): void  + getPatientID(): int  + getName(): string  + getAddress(): string  + getContactNumber(): string |

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| **Receptionist** |
| - employeeNumber: const int  - name: string  - address: string  - gender: char  - contactNumber: string  - nextOfKin: string  - appt: Appointment  - firstAidCourseDate: Date  - courseProvider: string |
| + Receptionist()  + chargePenaltyAmount(amount: float): void  + setName(name: string): void  + setAddress(address: string): void  + setGender(gender: char): void  + setContactNumber(number: string): void  + setNextOfKin(kin: string): void  + setFirstAidCourseDate(d: Date): void  + setCourseProvider(string name): void  + getPatientID(): int  + getName(): string  + getAddress(): string  + getGender(): char  + getContactNumber(): string  + getNextOfKin(): string  + getFirstAidCourseDate(): Date  + getCourseProvider(): string |

(Question 5)

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| **Dentist** |
| - employeeNumber: int  - name: string  - address: string  - gender: char  - contactNumber: string  - appt: Appointment  - nextOfKin: string  - qualification: string  - dateAwarded: Date  - GDCRegistrationNumber: int |
| + Dentist()  + setName(name: string): void  + setAddress(address: string): void  + setGender(gender: char): void  + setContactNumber(number: string): void  + setNextOfKin(kin: string): void  + setQualification(qualification: string): void  + setDateAwarded(d: Date): void  + setRegistrationNumber(number: int)  + getPatientID(): int  + getName(): string  + getAddress(): string  + getGender(): char  + getContactNumber(): string  + getNextOfKin(): string  + getQualification(): string  + getDateAwarded(): Date  + getRegistrationNumber(): int |

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| **Appointment** |
| - dateOfAppointment: Date  - attended: bool  - cost: float  - dentistName: string |
| + Appointment()  + reminder(): void  + updateCost(cost: float): void  + appointmentStatistics(): void |