UML Challenge7

|  |
| --- |
| Month |
| -name String  -monthNumber:int |
| + Month()  + Month(name: string)  + Month(number: int)  + Month(object: Month)  + operator=(object: Month): Month  + setName(newName: string): void  + getName(): string  + setMonthNumber(number: int): void  + getMonthNumber(): int |
| + operator++(): Month  + operator++(int): Month  + operator--(): Month  + operator--(int): Month  + operator<<(out: ostream, obj: Month): ostream & (friend) |

UML Challenge 8

|  |
| --- |
| Date |
| - month: int  - day: int  - year: int |
| + Date()  + Date(m: int, d: int, y: int)  + setMonth(m: int): void  + setDay(d: int): void  + setYear(y: int): void  + getMonth(): int  + getDay(): int  + getYear(): int  + getFormat1(): string  + getFormat2(): string  + getFormat3(): string |
| + operator++(): Date&  + operator++(int): Date  + operator--(): Date&  + operator--(int): Date  + operator-(other: const Date&): int  + operator<<(out: ostream, date: const Date&): ostream& (friend)  + operator>>(in: istream, date: Date&): istream& (friend) |

UML Challenge9

|  |
| --- |
| FeetInches |
| - feet: int  - inches: int |
| + FeetInches(f: int, i: int)  + setFeet(f: int): void  + setInches(i: int): void  + getFeet(): int  + getInches(): int |
| + operator+(right: FeetInches): FeetInches  + operator-(right: FeetInches): FeetInches  + operator<=(right: FeetInches): bool  + operator>=(right: FeetInches): bool  + operator!=(right: FeetInches): bool |

UML Challenge11

|  |
| --- |
| FeetInches2 |
| - feet: int  - inches: int |
| + FeetInches2(f: int, i: int)  + FeetInches2(obj: FeetInches2)  + setFeet(f: int): void  + setInches(i: int): void  + getFeet(): int  + getInches(): int |
| + operator+(right: FeetInches2): FeetInches2  + operator-(right: FeetInches2): FeetInches2  + operator\*(right: FeetInches2): FeetInches2  + operator<=(right: FeetInches2): bool  + operator>=(right: FeetInches2): bool  + operator!=(right: FeetInches2): bool |

UML Challenge 12

|  |
| --- |
| LandTract |
| - lengthFeet: int  - lengthInches: int  - widthFeet: int  - widthInches: int |
| + LandTract(lFeet: int, lInches: int, wFeet: int, wInches: int)  + getArea(feet: int&, inches: int&): void  + isEqual(other: LandTract): bool |