University of San Carlos | Department of
COMPUTER ENGINEERING

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LE 3.1 Person Type

Person
- personName: String - personAge: int
+ readInput(): void + writeOutput(): void + Person( ) + Person(String newName, int newAge) + setName(String newName): void + setAge(int newAge): void + displayPerson(): String + setPerson(String newName, int newAge): void + getName ( ): String + getAge ( ): int + isEquals(Person otherObject): boolean + isEqualsName(Person otherObject): boolean + isEqualsAge(Person otherObject): boolean + isOlder(Person otherObject): boolean + isYounger(Person otherObject): boolean

LE 3.2 Rectangle

Rectangle
- Width: double - Height: double
+ setWidth(double newWidth): void + getWidth(): double + setHeight(double newHeight): void + getHeight(): double + readInput(): void + Rectangle() + Rectangle(double width, double height): void + getArea(double width, double height): double + getPerimeter(double width, double height): double + writeOutput(): void

LE 3.3 Grade Distribution

Rectangle
- gradeA: int
- gradeB: int
- gradeC: int
- gradeD: int
- gradeF: int
+ readInput( ): void
+ writeOutput( ): void
+ setGradeA(int newGradeA): void
+ setGradeB(int newGradeB): void
+ setGradeC(int newGradeC): void
+ setGradeD(int newGradeD): void
+ setGradeF(int newGradeF): void
+ getGradeA( ): int
+ getGradeB( ): int
+ getGradeC( ): int
+ getGradeD( ): int
+ getGradeF( ): int
+ getTotalNumberOfGrades( ): int
+ getPercentage(char grade): char
+ displayGraph(): void
- printGraph(char grade): void