UML Class Diagram

TechnicalWritingExam

* grammar: float
* sentence: float
* content: float
* <<constructor>> TechnicalWritingExam (grammar: float, sentence: float, content: float)

+ MAX\_SCORE: integer

+ GRAMMER\_PERCENT: float

+ SENTENCE\_PERCENT: float

+ CONTENT\_PERCENT: float

+ setGrammerScore (): Boolean

+ getGrammerScore (): float

+ setSentenceStructureScore (): Boolean

+ getSentenceStructureScore (): float

+ setContentScore (): Boolean

+ getContentScore (): float

+ getExamGrade (): string

+ toString (): string

ITExamSuperClass

* title:string
* score:float
* <<constructor>> ITExamSuperClass (title: string, score: float)

+ MAX\_SCORE: integer

+ setExamTitle (): void

+ getExamTitle (): exam title

+setExamScore (): void

+ getExamScore (): float

+ getExamGrade (): string

+toString (): string

MultipleChoiceExam

* num\_questions: integer
* correct\_num\_questions: integer
* <<constructor>> MultipleChoiceExam (num\_questions: integer, correct\_num\_questions: integer)

+ POINTS\_PER\_QUESTION: integer

+ setTotalNumOfMCQuestions (): Boolean

+ getTotalNumOfMCQuestions(): integer

+ setCorrectNumOfQuestions (): Boolean

+ getCorrectNumOfQuestions():

Integer

+getExamGrade (): String

+ toString (): string

+to\_string(): string

Analytical Programming

* short: float
* programming: float
* <<constructor>> AnalyticalProgramming(short: float, programming: float)

+ MAX\_SCORE: integer

+ SHORT\_ANSWER\_PERCENT: float

+ PROGRAMMING\_PERCENT: float

+ setShortAnswerScore (): Boolean

+ getShortAnswerScore (): float

+ setProgrammingScore (): Boolean

+ getProgrammingScore (): float

+ getExamGrade (): String

+ toString (): string