

javadoc

Class Student

java.lang.Object
javadoc.Student

```
public abstract class Student
extends java.lang.Object
```

Student class is used to create a new student with given student information Allows user to edit and retrieve student information Allows user to calculate course, assignment, and exam averages Allows user to add a new deliverable to the student's record

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Constructor Summary

Constructors

Constructor and Description
Student (java.lang.String firstName, java.lang.String lastName, java.lang.String number, java.lang.String email) Constructor

Method Summary

Methods

Modifier and Type	Method and Description
void	addDeliverable () AddDeliverable adds a new deliverable to current student
double	calcAssignAvg () calcAssignAvg calculates the assignment average for current student uses grade information to calculate
double	calcCourseAvg () calcCourseAvg calculates the course average for current student uses grade information to calculate
double	calcExamAvg () calcExamAvg calculates the exam average for current student uses grade information to calculate

void	delDeliverable() delDeliverable deletes a deliverable from current student
double	getAssignAvg() getAssignAvg returns the assignment average for current student
double	getCourseAvg() getCourseAvg returns the course average for current student
java.lang.String	getEmail() getEmail returns the email address for current student
double	getExamAvg() getExamAvg returns the exam average for current student
java.lang.String	getFirstName() getFirstName returns the current student's first name
java.lang.String	getLastName() getLastName returns the current student's last name
java.lang.String	getNumber() getNumber returns the current student's student number
void	setEmail (java.lang.String email) setEmail sets the email address of current student to given email checks validity of email address given
void	setFirstName (java.lang.String firstName) setFirst name sets the first name of the student to given name checks validity of given name
void	setLastName (java.lang.String lastName) setLastName sets the last name of student to given name checks validity of given name
void	setNumber (java.lang.String number) setNumber sets the student's student number to given number checks validity of given number

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Student

```
public Student(java.lang.String firstName,
               java.lang.String lastName,
               java.lang.String number,
               java.lang.String email)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Constructor

Parameters:

firstName - the students first name

lastName - the students last name

number - the students unique student number

email - the students unique email address

Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

Method Detail

getAssignAvg

```
public double getAssignAvg()
```

getAssignAvg returns the assignment average for current student

Returns:

the students assignment average

getCourseAvg

```
public double getCourseAvg()
```

getCourseAvg returns the course average for current student

Returns:

the students course average

getEmail

```
public java.lang.String getEmail()
```

getEmail returns the email address for current student

Returns:

the students email address

getExamAvg

```
public double getExamAvg()
```

getExamAvg returns the exam average for current student

Returns:

the students exam average

getFirstName

```
public java.lang.String getFirstName()
```

getFirstName returns the current student's first name

Returns:

the first name of the student

getLastName

```
public java.lang.String getLastName()
```

getLastName returns the current student's last name

Returns:

the last name of the student

getNumber

```
public java.lang.String getNumber()
```

getNumber returns the current student's student number

Returns:

the students student number

setFirstName

```
public void setFirstName(java.lang.String firstName)
                        throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

setFirst name sets the first name of the student to given name checks validity of given name

Parameters:

firstName - the firstName to set

Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

setLastName

```
public void setLastName(java.lang.String lastName)
                        throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

setLastName sets the last name of student to given name checks validity of given name

Parameters:

lastName - the lastName to set

Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

setNumber

```
public void setNumber(java.lang.String number)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

setNumber sets the student's student number to given number checks validity of given number

Parameters:

number - the number to set

Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

setEmail

```
public void setEmail(java.lang.String email)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

setEmail sets the email address of current student to given email checks validity of email address given

Parameters:

email - the email to set

Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

calcCourseAvg

```
public double calcCourseAvg()
```

calcCourseAvg calculates the course average for current student uses grade information to calculate

Parameters:

courseAvg - calculates course average

calcAssignAvg

```
public double calcAssignAvg()
```

calcAssignAvg calculates the assignment average for current student uses grade information to calculate

Parameters:

assignAvg - calculates the assignment average

calcExamAvg

```
public double calcExamAvg()
```

calcExamAvg calculates the exam average for current student uses grade information to calculate

Parameters:

examAvg - calculates the exam average

addDeliverable

```
public void addDeliverable()
```

AddDeliverable adds a new deliverable to current student

delDeliverable

```
public void delDeliverable()
```

delDeliverable deletes a deliverable from current student

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