







oveStudentBasket(student : Student) : void	ogger student : Student : Semester logger : Logger Logger logger : Logger logger : Logger student : Student : Student : Student courseBasket : I	List <course :="" logger="" logger<="" th=""  =""><th>er : Logger student : Student   CourseBasket : List<course logge<="" logger="" th=""  =""><th>gger : Logger student : Student courseBasket : List<cou< th=""><th>Course&gt;</th><th>Logger : Logger   logger : Logger   student : Student   courseBasket : List<course :="" coursebasket="" list<course="" logger="" st<="" student="" th=""  =""><th>Basket : List<course :="" ite<="" iterator="" th=""><th>: Iterator<course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course></th><th></th></course></th></course></th></cou<></th></course></th></course>	er : Logger student : Student   CourseBasket : List <course logge<="" logger="" th=""  =""><th>gger : Logger student : Student courseBasket : List<cou< th=""><th>Course&gt;</th><th>Logger : Logger   logger : Logger   student : Student   courseBasket : List<course :="" coursebasket="" list<course="" logger="" st<="" student="" th=""  =""><th>Basket : List<course :="" ite<="" iterator="" th=""><th>: Iterator<course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course></th><th></th></course></th></course></th></cou<></th></course>	gger : Logger student : Student courseBasket : List <cou< th=""><th>Course&gt;</th><th>Logger : Logger   logger : Logger   student : Student   courseBasket : List<course :="" coursebasket="" list<course="" logger="" st<="" student="" th=""  =""><th>Basket : List<course :="" ite<="" iterator="" th=""><th>: Iterator<course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course></th><th></th></course></th></course></th></cou<>	Course>	Logger : Logger   logger : Logger   student : Student   courseBasket : List <course :="" coursebasket="" list<course="" logger="" st<="" student="" th=""  =""><th>Basket : List<course :="" ite<="" iterator="" th=""><th>: Iterator<course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course></th><th></th></course></th></course>	Basket : List <course :="" ite<="" iterator="" th=""><th>: Iterator<course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course></th><th></th></course>	: Iterator <course>   Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger : Logger   Logger : Logger   Logger : Logger   Logger : Logger :</course>	
1.1: getLogger(this.getClass().get	er() : Semester								
	.3: getSeason() : String								
1.4: getSemes	: getSemesterId() : Integer								
opt									
1.6: checkTwoTech	nical(student : Student = student) : void  1.6.1: getLogger(this.getClass().getName())								
	1.6.2: info("Checking for more than two Technical Elective")  1.6.3: getCourseBasket() : List <course></course>								
	1.6.4: iterator()								
[iterator.hasNext()	1.6.5: next()								
[next instanceof TechnicalE	ectiv								
[count > 2]	1.7:	technicalElectiveError : TwoTechnicalElectiveError							
	2: checkFTE(student : Student) : void								
	2.1: getLogger(this.getClass().getName())  2.2: info("Checking for Faculty Technical Elective course	ses")							
	1.8: getCourseBasket() : List <course 1.9:="" stre<="" td=""><td>urse&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></course>	urse>							
opt	1.10: romo	ovo(course)							
	1.10: remo	1.11:	notInGraduationError : NotInGraduationError						
	1.12: addNonTakenCourse(course : Course = new Faculary)  1.14: addError(error : Error = technicalElectiveError) : void  1.13: addError(error : Error = notInGraduaty)	ationError) : void							
	1.15: remove() 1.16:	<b>▶</b>							
[!(semesterli									
1.17: checkFTE(str	dent : Student = student) : void	1.17.1: getLogger(this.getClass().getName())							
		1.17.2: info("Checking for Faculty Technical Elective courses")  1.17.3: getCourseBasket() : List <course></course>							
		1.17.4: stream()							
[course != null		1.17.5: remove(course)							
		1.18:  1.17.6: addNonTakenCourse(course : Course = new FacultyTechnicalElective()) : void		<b>—</b>	notInGraduationError : N	lotInGraduationError			
		1.17.7: addError(error : Error = notInGraduationError) : void							
1.19: graduationPi	ojectCheck(student : Student = student) : void								
		1.19.1: getLogger(this.getClass().getNa  1.19.2: info("Checking for g	ame())  graduation project")						
ont		1.19.3: getCo	CourseBasket() : List <course></course>						
[student.getCompletedCred	it() < 1		1.19.4: stream()						 
[course != null			1.19.5: remove(course)						
		1.19.6: addNonTakenC	1.20: Course(course : Course = course) : void			projectError : ProjectError			 
		1.19.7: addError	r(error : Error = projectError) : void						;   
1.21: checkMinimu	mCredit(student : Student = student) : void		1.21.1: getLogger(this.getClass().getName())						;   
			1.21.2: info("Checking for minimum credit")  1.21.3: getCourseRasket() : List <course< td=""><td></td><td></td><td></td><td></td><td></td><td></td></course<>						
			1.21.4: iterator()						
[iterator.hasNext()			1.21.5: next()						
opt	ective && student.getCompletedCredit() < ((TechnicalElective) next).getMinin		1.22:					uncompletedCreditError : UncompletedCreditError	
			1.21.6: addNonTakenCourse(course : Course = new TechnicalElective()) : void						 
			1.21.7: addError(error : Error = uncompletedCreditError) : void  1.21.8: remove()				<b>•</b>		
1.23: getCourseBa	ket(): List <course> = courseBasket student: Student = student) : void</course>								
1.24: collisionChec	x(courseBasket : List <course> = courseBasket, student : Student = student) : void</course>		1.24.1: getLogger(this.getCla	tClass().getName())					
			1.24.2: info("	fo("Checking for collisions")  1.25:			 	willBeRemoved: java.util.ArrayLst	
				1.24.3: iterator()					
[basketIterator.hasNext(				1.24.4: next()	()				
[else]									        -  -   
				1.24.6	24.6: getSection() : Section	hedule>			
loop									 
[secondIterator.hasNext(					1.24	.8: next()			 
[willBeRemoved.contains(to	mpCours						      		 
[firstCourse.equals(tempCo						1.24.9: getSection() : Section			 
						1.24.10: getScheduleList() : List <schedule>  1.24.11: stream()</schedule>			;   
[!collisions.isEmpty()									 
[firstCourse instanceof Mar	datoryCour  TakenCourse (course = tempCourse) : Course								
						1.26:  1.24.13: addError(error : Error = error) : void	 	error : CollisionError	  -  -  -
						1.24.14: addNonTakenCourse(course : Course = selectedCourse) : void			
[else]				1.24.15: add(tempCourse)			        		 
1.24.16: selectNor	TakenCourse (course = firstCourse) : Course					1.27:			error : CollisionEr
						1.24.17: addError(error : Error = error) : void  1.24.18: addNonTakenCourse(course : Course = selectedCourse) : void			
				1.24.19: add(firstCourse)		1.27.10. addinomakencourse(course : Course = SelectedCourse) : Void			
€ 1.29:	3: info("Course basket approved by " + this.fullName)								
				1.24.20: removeAll(willBeRemoved)					
				ocmoveAn(winderkeinoveq)			 		



