

Class			
GameState			
	Method	Input	Expected Value
	testGetPlayer	getPlayer() Player.getName()	"Player"
		movePlayer(Direction.WEST) movePlayer(Direction.SOUTH) movePlayer(Direction.EAST) movePlayer(Direction.EAST) movePlayer(Direction.EAST)	FALSE
	testIsGameOver		TRUE
	testGetAvailableDirectionFromPlayerPosition	getAvailableDirectionFromPlayerPosition()	"WEST"
	testGetPlayerStartLocation	getPlayer() Player.getCurrentLocation()	getPlayerStartLocation()
	testGetPlayerEndLocation	getPlayer() Player.getPlayerEndLocation()	"(3, 4)"
		Player.getPlayerStartLocation()	"(2, 2)"
		movePlayer(Direction.WEST)	"(2, 1)"
	testMovePlayer	movePlayer(Direction.SOUTH)	"(3, 1)"
	testPlayerCurrentLocation	getPlayerCurrentLocation()	"(2, 2)"
	testInterconnectivity	getDungeon()	getNeighbours().size()
	testTreasureInRightLocation	getDungeon() Dungeon.isCave() Dungeon.getTreaure	TRUE
	testTreasurePercentage	getDungeon() Dungeon.isCave() Dungeon.getTreaure	
	testPlayerTravelStatus	movePlayer(Direction.WEST) movePlayer(Direction.SOUTH)	"(2, 2), (2, 1), (3, 1)"
	testPlayerPickingTreasure	movePlayer(Direction.WEST) movePlayer(Direction.SOUTH) movePlayer(Direction.EAST) movePlayer(Direction.EAST) movePlayer(Direction.EAST)	"(2, 2) (2, 1) (3, 1), (3, 2) (3, 3) (3, 4)"
	testTreasureNullAfterPicking	getDungeon() locationInfo() movePlayer(Direction.WEST) movePlayer(Direction.SOUTH) movePlayer(Direction.WEST) movePlayer(Direction.NORTH) Player.travelStatus()	"(2, 2) (2, 1, (3, 1) (3, 0) (2, 0)"
	testIllegalMove	movePlayer(Direction.NORTH)	IllegalArgumentException
	testDungeonCreation	getDungeon() getNeighbours().size()	
	testPathLength	getPlayerStartLocation() getPlayerEndLocation()	distance = getPlayerStartLocation() - getPlayerEndLocation() distance >= 5
	testMonsterLocation	getDungeon() isCave() getMonster()	TRUE

	i	
	getDungeon()	
to ath to make an Offi Asia at a ma	isCave()	7
testNumberOfMonsters	getMonster()	
	getPlayerStartLocation().getName()	(5, 3)
	getPlayerEndLocation().getName()	(3, 0)
	pickTreasure(TreasureType)	
testPickArrows	getPlayer().getTreasureBag().get(TreasureType)	5
		(5, 3)
	getPlayerStartLocation().getName()	(3, 0)
	getPlayerEndLocation().getName() pickTreasure(TreasureType)	
	getPlayer().getTreasureBag().get(TreasureType)	-
	got layor().got roadarobag().got(rroadaro rypo)	
	movePlayer()	
	shootArrows(Direction, 1)	
	shootArrows(Direction, 1)	
101-101-110	Description of the second of t	
testShootArrowTwice	getDungeon()[i][j].getMonster().getHealth()	0
1	getDungeon()	
testArrowCount	getTreasure().containsKey(TreasureType)	5
	getPlayerStartLocation().getName()	(5, 3)
	getPlayerEndLocation().getName()	(3, 0)
	inComoOvor()	False
	isGameOver()	raise
	pickTreasure(TreasureType)	
	pion readure (readure rype)	
	movePlayer()	
	shootArrows(Direction)	
	shootArrows(Direction)	
	D 1 0	
	movePlayer()	
	shootArrows(Direction) shootArrows(Direction)	
	Shookhows(Direction)	
testlsGameOver	isGameOver()	True
	getPlayerEndLocation().getName()	(3, 0)
	getMonster().getName()	"Otyugh"
testMonsterInEndLocation	getMonster().getHealth()	100
	getPlayerStartLocation().getName()	(5, 3)
testMonsterInStartLocation	getMonster	Null
	getPlayerStartLocation().getName()	(5, 3)
	getPlayerEndLocation().getName()	(3, 0)
	got a) o. z. razodatori(). got ramo()	(5, 5)
	shootArrows(Direction)	
testArrowGoingThroughTunnel	getDungeon[i][j].getMonster().getHealth()	50
	getPlayerStartLocation().getName()	(5, 3)
	getPlayerEndLocation().getName()	(3, 0)
	shootArrows(Direction)	
testArrowMissesMonster	getDungeon[i][j].getMonster().getHealth()	100
		(5, 3)
	getPlayerStartLocation().getName()	(3, 0)
	getPlayerEndLocation().getName()	
	maya Dlayar/Direction)	
	movePlayer(Direction) movePlayer(Direction)	
	mover layer(Direction)	
	pickTreasure(TreasureType)	
testTreasureCountDecrease	getPlayer().getCurrentLocation().getTreasure().get(TreasureType)	2
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

ameTestWrapping			
	testGameStateWrapping	GameState(-10, -10, -1, "wrapping", 20, null)	IllegalArgumentException
	testGetPlayer	GameState.getPlayer().getName()	"Player"
		GameState.isGameOver()	FALSE
	testIsGameOver	GameState.movePlayer(Direction.NORTH); GameState.movePlayer(Direction.NORTH); GameState.movePlayer(Direction.NORTH); GameState.movePlayer(Direction.NORTH); GameState.movePlayer(Direction.EAST); GameState.movePlayer(Direction.EAST); GameState.movePlayer(Direction.EAST);	TRUE
		GameState.getAvailableDirectionsFromPlayerPosition().toString()	"[SOUTH, EAST, WEST]"
	testGetAvailableDirectionsFromPlayerPosition	GameState.getAvailableDirectionsFromPlayerPosition().size()	3
	testGetPlayerStartLocation	GameState.getPlayerStartLocation().toString()	"(2, 4)"
	testGetPlayerEndLocation	GameState.getPlayerEndLocation().toString()	"(4, 7)"
		GameState.getDungeon() GameState.getPlayer().getCurrentLocation().toString()	"(2, 4)"
		GameState.movePlayer(Direction.EAST) GameState.getPlayer().getCurrentLocation().toString()	"(2, 5)"
		GameState.movePlayer(Direction.NORTH) GameState.movePlayer(Direction.NORTH) GameState.movePlayer(Direction.EAST) GameState.movePlayer(Direction.NORTH)	"(9, 6)"
	testMovePlayer	GameState.getPlayer().getCurrentLocation().toString()	
	TestTreasureInRightLocation	GameState.getDungeon() isCave() getTreasure()	TRUE
	testToStringTravelStatus	GameState.getDungeon() isCave() getTreasure() toStringPlayerTravelStatus()	"Player has traveled to the following locations: [(2, 4)].\n" + "Treasures: {}"
	testPlayerPickingTreasure	GameState.movePlayer(Direction.EAST); GameState.movePlayer(Direction.EAST); GameState.movePlayer(Direction.SOUTH); GameState.movePlayer(Direction.SOUTH); GameState.movePlayer(Direction.WEST); GameState.movePlayer(Direction.WEST); GameState.movePlayer(Direction.SOUTH); GameState.movePlayer(Direction.EAST); GameState.movePlayer(Direction.EAST); toStringPlayer(TravelStatus())	"Player has traveled to the following locations: [(2, 4) (2, 5) (2, 6) " + "(3, 6) (4, 6) (4, 5) (4, 4) (5, 4) (5, 5) (5, 6)].\n" + "Treasures: {DIAMONDS=14, RUBIES=9, SAPPHIRES=15}"
		GameState.movePlayer(Direction.EAST) GameState.movePlayer(Direction.EAST) GameState.movePlayer(Direction.SOUTH) printPlayerTravelStatus() movePlayer(Direction.WEST)	"Player has traveled to the following locations: [(2, 4) (2, 5) " + "(2, 6) (3, 6)].\n" + Treasures: {DIAMONDS=7, RUBIES=2, SAPPHIRES=9}" Player has traveled to the following locations: [(2, 4) (2, 5) " + "(2, 6) (3, 6) (3, 5) (3, 6)].\n" +
	testTreasureNullAfterPick	movePlayer(Direction.EAST) printPlayerTravelStatus()	"Treasures: {DIAMONDS=7, RUBIES=2, SAPPHIRES=9}"
	testlllegalMove	movePlayer(Direction.NORTH)	IllegalArgumentException
	testPathLength	getPlayerStartLocation() getPlayerEndLocation()	distance = getPlayerStartLocation() - getPlayerEndLocation() distance >= 5

GameState, 10, 1000. "vargongr, 20, random) gerkvaliable/terriconic form/Bryer/chronic (b, String) movel/Bryer/Chronic (b, String) gerkvaliable/terriconic (b, String) gerkvaliable/terriconic (b, String) gerkvaliable/brection NORTH; movel/Bryer/Chronic (b, String) gerkvaliable/brection SOUTH) gerkvaliable/brection SOUTH, MORTH; movel/Bryer/Chronic (b, String) gerkvaliable/brection SOUTH) gerkvaliable/brection (b, String) test/Gerkvaliable/brection (b, String) gerkvaliable/brection (b, String) gerkvaliable/brection (b, String) gerkvaliable/brection (b, String) gerkvaliable/brection (b, String) test/Gerkvaliable/brection (b, String) test/Gerkvaliable/bre				
gerPlayerCurrentLocation() (askings) gerPlayerCu				"[SOUTH, WEST, EAST, NORTH]"
movePlayer(Direction SOUTH) gefFlayer(Current).costion() (Sching()) getAvailable(brections*From*Player(Position()).ESTring()) getAvailable(brections*From*Player(Position()).ESTring()) movePlayer(Direction Least) getAvailable(brections*From*Player(Position(), 10String()) getAvailable(brection MEST) getFlayer(Current).costion().toString() testPlayerMovementsAllDirections testPlayerMovementsAllDirections				"(3, 8)"
getPlayerCurrentLocation ().bString() getAvailableDirections FromPlayer Position().bString() getPlayer(Direction EAST) getPlayerCurrentLocation().bString() getAvailableDirections FromPlayer Position().bString() getAvailableDirections FromPlayer Position().bString() getAvailableDirections FromPlayer Position().bString() getAvailableDirections ().bString() getPlayerCurrentLocation().bString() getPlayerCurrentLocation().bString() testPlayerMovementsAllDirections lestIncorrectLocation new Location() sestIncorrectLocation new Location() sestIncorrectLocation() sestIncorrectLo			getAvailableDirectionsFromPlayerPosition().toString()	"[EAST, WEST, SOUTH, NORTH]"
movePlayer(Direction.EAST) getPlayerCurrentLocation() toString() getAvailable Directions FromPiperPresistion() toString() getAvailable Directions FromPiperPresistion() toString() movePlayer(Direction.WEST) getPlayer(Direction.WEST) testCetPlayer(Direction.WEST) testCetPlayer(Direction.WEST) testCetPlayer(Direction.WEST) testSubint.coationToSouthDirection Location.getPlayer(Direction.WEST) Location.getPlayer(Direction.WEST) testSubint.coationToSouthDirection Location.getPlayer(Direction.WEST) Loca				"(4, 8)"
getPlayerCurrentLocation().doString() getAvailableDirectionsFromPlayerPosition().doString() TWEST.EAST.SOUTH.NORTHIT movePlayer(Direction WEST) getPlayerCurrentLocation().doString() Location LestPlayerMovementsAliDirections LestPlayerMovementsAliDirections LestIncorrectLocation new Location() lestIncorrectLocation lestIncorrectLocation new Location() lestIncorrectLocation new Location() lestIncorrectLocation lestInc			getAvailableDirectionsFromPlayerPosition().toString()	"[WEST, EAST, SOUTH, NORTH]"
testPlayerMovementsAllDirections				"(4, 9)"
testPlayerMovementsAilDirections Cocation			getAvailableDirectionsFromPlayerPosition().toString()	"[WEST, EAST, SOUTH, NORTH]"
Location testincorrect.cocation new Location() testGetName getName() getName() getName() getName() getColCoordinate() getColCoordinate() getColCoordinate() getColCoordinate() testGetColCoordinate() getColCoordinate() getColCoordinate() testSetIncoationToNorthDirection() Location pint.coationToNorthDirection() testJoinLocationToNorthDirection() Location pint.coationToNorthDirection() Location() Loca		taetPlayarMovemente AllDirections		"(4, 8)"
testGetName getName() [10,0)* testGetRowCoordinate getRowCoordinate() 0 testGetRowCoordinate getRowCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testSoinLocationToNorthDirection Location, joinLocationToNorthDirection(Location()) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location. joinLocationToSouthDirection(Location()) Location. getNeighbours() get(Direction SOUTH) Location(1, 2, rand) Location. joinLocationToSauthDirection(Location()) Location. joinLocationToSauthDirecti		tosti layenviovementsAlibirections		
testGetName getName() [10,0)* testGetRowCoordinate getRowCoordinate() 0 testGetRowCoordinate getRowCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testSoinLocationToNorthDirection Location, joinLocationToNorthDirection(Location()) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location. joinLocationToSouthDirection(Location()) Location. getNeighbours() get(Direction SOUTH) Location(1, 2, rand) Location. joinLocationToSauthDirection(Location()) Location. joinLocationToSauthDirecti				
testGetName getName() [10,0)* testGetRowCoordinate getRowCoordinate() 0 testGetRowCoordinate getRowCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testSoinLocationToNorthDirection Location, joinLocationToNorthDirection(Location()) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location, getNeighbours() get(Direction NORTH) Location(0, 2, rand) Location. joinLocationToSouthDirection(Location()) Location. getNeighbours() get(Direction SOUTH) Location(1, 2, rand) Location. joinLocationToSauthDirection(Location()) Location. joinLocationToSauthDirecti				
testGetName getName() 9etName() 9(0,0)" testGetColCoordinate getColCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testUoinLocationToNorthDirection Location_getNeighbours()_get(Direction.NORTH) Location(0, 2, rand) testJoinLocationToNorthDirection Location_getNeighbours()_get(Direction.NORTH) Location(0, 2, rand) testJoinLocationToSouthDirection Location_getNeighbours()_get(Direction.NORTH) Location(1, 2, rand) testJoinLocationToSouthDirection Location_getNeighbours()_get(Direction.SOUTH) Location(1, 2, rand) testJoinLocationToEastDirection Location_getNeighbours()_get(Direction.EAST) Location(1, 2, rand) testJoinLocationToWestDirection Location petNeighbours()_get(Direction.LocAST) Location(1, 2, rand) testJoinLocationToWestDirection Location petNeighbours()_get(Direction.WEST) Location(1, 2, rand) testJoinLocationToWestDirection Location_getNeighbours()_get(Direction.WEST) Location(1, 2, rand) Location_ginLocationToMestDirection(Location(1)) Location_ginLocationToMestDirection(Lo	Location			
testGetRowCoordinate getRowCoordinate() 0 testGetColCoordinate getColCoordinate() 0 testJoinLocationToNorthDirection		testIncorrectLocation	new Location()	IllegalArgumentException
testGetColCoordinate getColCoordinate() Location_join_LocationToNorthDirection(Location()) testJoinLocationToNorthDirection Location_join_LocationToSouthDirection(Location()) Location_join_LocationToSouthDirection(Location()) Location_join_Location() testJoinLocationToSouthDirection Location_join_LocationToSouthDirection(Location()) Location_getNeighbours()_get(Direction.EAST)		testGetName	getName()	"(0, 0)"
testJoinLocationToNorthDirection Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location		testGetRowCoordinate	getRowCoordinate()	0
testJoinLocationToNorthDirection Location_getNeighbours()_get(Direction.NORTH)' Location(0, 2, rand) Location_joinLocationToSouthDirection(Location()) Location_getNeighbours()_get(Direction.SOUTH) Location(1, 2, rand) Location_joinLocationToEastDirection(Location()) Location_getNeighbours()_get(Direction.EastT) Location(1, 2, rand) Location_joinLocationToEastDirection(Location()) Location_joinLocationToWestDirection(Location()) Location_joinLocationToWestDirection(Location()) Location_joinLocationToWestDirection(Location()) Location_joinLocationToSouthDirection(Location()) Location_joi		testGetColCoordinate		0
testJoinLocationToSouthDirection Location.getNeighbours().get(Direction.SOUTH) testJoinLocationToEastDirection Location.joinLocationToEastDirection(Location()) Location.getNeighbours().get(Direction.EAST) Location(1, 2, rand) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location())		testJoinLocationToNorthDirection		Location(0, 2, rand)
testJoinLocationToEastDirection Location_getNeighbours().get(Direction.EAST)" Location_1oinLocationToWestDirection(1, 0.cation(1)) Location_getNeighbours().get(Direction.WEST) Location_1oinLocationToWestDirection(1, 0.cation(1)) Location_joinLocationToNorthDirection(Location(1)) Location_joinLocationToSouthDirection(Location(1)) Location_joinLocationToSouthDirection(Location(1)) Location_joinLocationToWestDirection(Location(1)) Location_joinLocationToWestDirection(Location(1)) Location_joinLocationToWestDirection(Location(1)) Location_joinLocationToNorthDirection(Location(1)) Location_joinLocationToSouthDirection(Location(1)) Location_joinLocationToSouthDirection(Location(1)) Location_joinLocationToWestDirection(Location(1)) Location_joinLocation		testJoinLocationToSouthDirection		Location(1, 2, rand)
testJoinLocationToWestDirection Location.jetNeighbours().get(Direction.WEST)** Location(1, 2, rand) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToNorthDirection(Location())		testJoinLocationToEastDirection		Location(1, 2, rand)
Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location())		testJoinLocationToWestDirection		Location(1, 2, rand)
Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location())		testIsCave	Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location())	TRUE
Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location())			Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location())	null
Location.joinLocationToSouthDirection(Location()) Location.setTreasure() Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location())			V	
Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location())		testSetTreasureInTunnel	Location.joinLocationToSouthDirection(Location())	null
Location.setTreasure() testGetTreasure Location.getTreasure() "{SAPPHIRES=4, RUBIES=8, DIAMONDS=9}"		testGetTreasure	Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.setTreasure()	"{SAPPHIRES=4, RUBIES=8, DIAMONDS=9}"

		Location.joinLocationToNorthDirection(Location()) Location.joinLocationToSouthDirection(Location()) Location.joinLocationToEastDirection(Location()) Location.joinLocationToWestDirection(Location()) Location.getNeighbours().size()	4
		Location.getNeighbours().get(Direction.NORTH)	Location(0, 2, rand)
	testGetNeighbours	Location.getNeighbours().get(Direction.SOUTH)	Location(2, 2, rand)
	testLocationInfo	Location.joinLocationToNorthDirection(Location()) Location.setTreasure() Location.LocationInfo()	"(0, 0), treasure: {SAPPHIRES=4, RUBIES=8, DIAMONDS=9}, " + "neighbours: {NORTH=(0, 2)}"
Player			
i iuyoi	testPlayerNull	Player(null)	IllegalArgumentException
	testGetName	Player.getName()	"Player"
	testaddTreasure	Treasure.getTreasure()	1 ldyst
	testGetTreasure	Player.getTreasures()	
	testAddTwoTreasures	Player.addTreasure(Treasure) Player.addTreasure(Treasure)	
	testGetCurrentLocation	Player.setCurrentLocation(Location(0, 0, random))	Location(0, 0, random))
	testGetCurrentLocationEmpty	Player.getCurrentLocation()	null
	testSetCurrentLocation	Player.getCurrentLocation()	Player.setCurrentLocation(Location(0, 0, random))
	testMovePlayer	Player.getCurrentLocation() Player.getCurrentLocation()	Player.setCurrentLocation(Location(0, 0, random)) Player.setCurrentLocation(Location(0, 1, random))
	testTravelStatus	Player.setCurrentLocation(Location(0, 0, random)) Player.setCurrentLocation(Location(1, 0, random)) Player.setCurrentLocation(Location(2, 0, random)) Player.toStringTravelStatus()	"Player has traveled to the following locations: [(0, 0) (1, 0) (2, 0)].\n" + "Treasures: {}"
	testTravelStatus	getDungeon() locationInfo() movePlayer(Direction.WEST) movePlayer(Direction.SOUTH) movePlayer(Direction.WEST) movePlayer(Direction.NORTH) Player.toStringTravelStatus()	"Player has traveled to the following locations: [].\n" + "Treasures: {}"
		movePlayer(Direction.SOUTH) setTreasure(Itreasure) getTreasure.toString()	"Sapphires 2, Rubies 8, Diamonds 9"
	testPickTreasure	setCurrentLocation() pickTreasure(TreasureType.RUBIES) pickTreasure(TreasureType.SAPPHIRES) pickTreasure(TreasureType.RUBIES)	"Sapphires 3, Rubies 10, Arrows 2, Diamonds 9"
		addArrow() addArrow() addArrow() Location.getTreasure().toString() Player.setTreasure(location)	Arrows 3
	testPickArrow	Player.pickTreasure() Player.getTreasure().toString() Location.getTreasure().toString()	Arrows 4 Arrows 1
	testGetHealth	Player.getHealth()	100
	testReduceHealth	reduceHealth()	0

		isAlive()	True
		reduceHealth()	
	testIsAlive	isAlive()	False
		movePlayer(Direction.SOUTH)	
		setCurrentLocation(location)	
		SetCurrentLocation(location)	
		Player.shootArrows(Direction.SOUTH, 1)	A
			Arrows 2
		Player.shootArrows(Direction.SOUTH, 1)	Arrows 1
		Player.shootArrows(Direction.SOUTH, 1)	Arrows 0
		Player.shootArrows(Direction.SOUTH, 1)	IllegalArgumentException "No Arrows remaining"
	testAfterShooting	Player.shootArrows(Direction.NORTH, 1)	Illegal Argument Exception "Direction illegal"
		Location.attachLocation(Direction.SOUTH)	
		Location.setTreasure(Itreasure)	
		Location.setMonster()	
		"	
		Player.getHealth()	100
		Player.isAlive()	TRUE
		Location.getMonster().getHealth()	100
		Location.getMonster().reduceHealth()	
		Location.getMonster().getHealth()	50
		J	
		Player.setCurrentLocation(Ilocation)	
		Tayonootouroneoodion(noodion)	
		Player.getHealth()	0
	testHalfSurvivalDies	Player.isAlive()	FALSE
	testrialisurvivalbies	· ·	FALSE
		Location.attachLocation(Direction.SOUTH)	
		Location.setTreasure(Itreasure)	
		Location.setMonster()	
		Player.getHealth()	100
		Player.isAlive()	TRUE
		Location.getMonster().getHealth()	100
		Location.getMonster().reduceHealth()	
		Location.getMonster().getHealth()	50
		J	
		Player.setCurrentLocation(Ilocation)	
		,	
		Player.getHealth()	100
	testHalfSurvivalSurvives	Player.isAlive()	TRUE
	toti idilodi ilidica iliodi	i ayono aro()	11.02
Treasure			
	testIncorrectTreasure	Treasure(null)	IllegalArgumentException
	tostinooneotneasure	nodaco(null)	,
			expected.put(TreasureType.RUBIES, 4);
	l		expected.put(TreasureType.SAPPHIRES, 4);
	testGetTreasure	Treasure.getTreasure()	expected.put(TreasureType.DIAMONDS, 1);
		movePlayer(Direction.EAST)	
		setTreasure(Treasure)	
		getTreasure().toString()	"Sapphires 4, Rubies 3, Diamonds 1"
		get reasure().tootinig()	Cappilites 4, Nables 6, Biamonas 1
		removeTreasure(TreasureType.RUBIES)	"Sapphires 4, Rubies 2, Diamonds 1"
		Tomovo Troaduro (Troaduro Typo. Nobiled)	Cuppinion 4, Mubico 2, Diamondo 1
	testRemoveTreasure	removeTreasure(TreasureType.RUBIES)	"Sapphires 4, Rubies 1, Diamonds 1"
	tooti toiniovo rrododito	, , , , ,	Cuppinion T, Mubico 1, Diamondo 1
	I		1
		addArrows()	
		addArrows()	
		addArrows() addArrows()	
	testAddArrows	addArrows()	"Sapphires 2, Rubies 8, Arrows 3, Diamonds 9"

		addArrows()	
		addArrows()	
		addArrows()	
		toString()	"Sapphires 2, Rubies 8, Arrows 3, Diamonds 9"
		removeTreasure()	
	testRemoveArrows	toString()	"Sapphires 2, Rubies 8, Arrows 2, Diamonds 9"
	teet terrove, arows	tootinig()	Supplimes 2, rabios 6, rations 2, blamonas 6
Monster			
	testGetName	Monster.getName()	"Ob wah"
			"Otyugh"
	testGetCurrentLocation	Monster.setCurrentLocation(Location(0, 0, random))	Location(0, 0, random))
	testSetCurrentLocation	Monster.getCurrentLocation()	Monster.setCurrentLocation(Location(0, 0, random))
	testGetHealth	Monster.getHealth()	100
	testReduceHealth		0
	restreducer regitif	reduceHealth()	
		isAlive()	True
	testIsAlive	reduceHealth() isAlive()	False
	to 3 ti 3 mil V C	IN MINO()	1 dioc
Controller			
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	
	testMovePlayer	Appendable.toString.contains("Moving NORTH")	TRUE
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	
		Appendable.toString.contains("Picking up Arrows")	TRUE
	testPickTreasureArrow	Appendable.toString.contains("You are in a cave and you have 4 Arrows.")	TRUE
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	
	testShootArrow	Appendable.toString.contains("Shooting in NORTH at distance of 1")	TRUE
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	
	testShootInvalidDirection	Appendable.toString.contains("Direction is not valid")	TRUE
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	TOUE
	testShootInvalidDistance	Appendable.toString.contains("Distance is not valid")	TRUE
		Controller(StringReader, Appendable, IgameState)	
	tootChootTol/illA = dF =ta=C=::=	Controller.playGame()	TDUE
	testShootToKillAndEnterCave	Appendable.toString.contains("You see a dead monster here.")	TRUE
		Controller (StringReader, Appendable, IgameState)	
	testQuitGame	Controller.playGame() Appendable.toString.contains("You quit the game")	TRUE
	lesiQuilGame		INOL
		Controller(StringReader, Appendable, IgameState) Controller.playGame()	
	testInvalidCommandInput	Appendable.toString.contains("Not a valid command.")	TRUE
	tostinvandominiandinput		THOSE
		Controller(StringReader, Appendable, IgameState) Controller.playGame()	
	testInvalidCavesCount	Appendable.toString.contains("Invalid caves count")	TRUE
	130till Falla Ga Food Gallic	Controller(StringReader, Appendable, IgameState)	
		Controller(StringReader, Appendable, IgameState)	
	testWinGame	Appendable.toString.contains("You win! You made it to the end.")	TRUE
		Controller(StringReader, Appendable, IgameState)	
		Controller.playGame()	
	testLessPungentSmell	Appendable.toString.contains("You slightly smell something nearby")	TRUE
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tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("You smell something terrible nearby")	TRUE
tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("Moving NORTH")	TRUE
tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("Moving SOUTH")	TRUE
tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("Moving EAST")	TRUE
tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("Moving WEST")	TRUE
tes	Controller(StringReader, Appendable, IgameState) Controller.playGame() Appendable.toString.contains("You find 9 Diamonds, 3 Sapphires, 9 Rubies")	TRUE