RESULTS

TABLE1

This covers statement, decision, condition coverage for test_constructor

	Entries				Result
	Student	Name	Email	Age	
T1	("John Doe", "johndoe@example.com", 20)	John Doe	johndoe@example.com	20	TRUE
T2	("John Doe", "johndoe@example.com", 20)	John Doe	johndoe@example.com	21	FALSE
T3	("John Doe", "johndoe@example.com", 20)	John Doe	johndoe@gmail.com	20	FALSE

TABLE2

This covers statement, condition and decision covarage for test_calculate_grade

	Entries					Result
	Student	Grades1	Grades2	Avg1	Avg2	
T1	("John Doe", "johndoe@example.com", 20)	(80, 90, 85)	(70, 75, 65)	85	70	TRUE
T2	("John Doe", "johndoe@example.com", 20)	(80, 90, 85)	(70, 75, 65)	80	70	FALSE

TABLE3

This covers statement, condition and decision coverage for test_get_email_domain_statement_coverage

	Entries					Result
	Student	Email	Separator	Index	Expected Email	
T1	("John Doe", "johndoe@example.com", 20)	johndoe@example.com	@	1	johndoe@example.c...	TRUE
T2	("John Doe", "johndoe@example.com", 20)	johndoe@example.com	#	1	johndoe@example.c...	FALSE

TABLE4

This covers statement coverage for test_is_adult_statement_coverage

	Entries				Result
	Student	Age	Threshold	Expected Result	
T1	("John Doe", "johndoe@example.com", 20)	18	18	TRUE	TRUE
		20	18	TRUE	
		16	18	FALSE	
T2	("John Doe", "johndoe@example.com", 20)	18	18	TRUE	FALSE
		15	18	TRUE	
		16	18	FALSE	

TABLE5

this covers condition and decision covarage for test_is_adult_decision_condition_coverage
similar function as before just do differentiate between
statement and decision/condition covarage

	Entries				Result
	Student	Age	Threshold	Expected Result	
T1	("John Doe", "johndoe@example.com", 20)	18	18	TRUE	TRUE
		20	18	TRUE	
		16	18	FALSE	
		18	20	FALSE	
T2	("John Doe", "johndoe@example.com", 20)	18	18	TRUE	FALSE
		15	18	TRUE	
		16	18	FALSE	
		18	20	FALSE	

TABLE6

this covers statement, condition and decision covarage for test_calculate_final_grade

	Entires						Result
	Grades1	Grades2	Grades3	Avg1	Avg2	Avg3	
T1	(80, 90, 85)	(70, 75, 65)	(80, 85, 80)	87.5	72.5	82.5	TRUE
T2	(80, 90, 85)	(70, 76, 65)	(80, 85, 80)	87.5	72.5	82.5	FALSE

TABLE7

This covers statement, condition and decision covarage
test_get_highest_score_decision_coverage

	Entires								Result
	Grades1	Grades2	Grades3	Grades4	Avg1	Avg2	Avg3	Avg4	
T1	(80, 90, 85)	(70, 75, 65)	(80, 85, 80)	(80, 85, 80)	87.5	72.5	82.5	85	TRUE
T2	(80, 90, 85)	(70, 76, 65)	(80, 85, 80)	(80, 85, 80)	87.5	72.5	82.5	85	FALSE

SUMMARY

TABLE1

Test	Instructions
T1	5,6,7
T2	5,6,7
T3	5,6

TABLE2

Test	Instructions
T1	10,11
T2	10,11

TABLE3

Test	Instructions
T1	14,15,16
T2	14

TABLE4

Test	Instructions
T1	19
T2	19

TABLE5

Test	Instructions	Conditions
T1	19	age >= threshold
T2	19	age >= threshold

TABLE6

Test	Instructions	Conditions	Decisions
T1	34-41	score in scores: score < lowest_score	for score in scores: if score < lowest_score:
T2	34-41	score in scores: score < lowest_score	for score in scores: if score < lowest_score:

TABLE7

Test	Instructions	Conditions	Decisions
T1	44-49	*score2* > highest_score *score3* > highest_score	if *score2* > highest_score: if *score3* > highest_score:
T2	44-49	*score2* > highest_score *score3* > highest_score	if *score2* > highest_score: if *score3* > highest_score: