

Business Case:

Registration Semester = 223/ Fall 2022
Registration Date = 01/08/2022 to 10/08/2022
Registration Amount = 12,500 (Minimum)

Equivalence Class Partitioning:

- Analyze the specification
 - Registration Semester is given as the number “223” with no decimal points.
 - Registration Date is a date parameter within the range of 01/08/2022 to 10/08/2022.
 - Registration Amount will only accept value which is greater or equal than 12500.

Variable	Equivalence Class	Status	Representatives
Registration Semester	EC: $x = 223$	Valid	223
	EC: $x \neq 223$	Invalid	173
	EC: x non numerical value	Invalid	Abc
Registration Date	EC: $01/08/2022 \leq x \leq 10/08/2022$	Valid	02/08/2022
	EC: $x < 01/08/2022$	Invalid	30/07/2022
	EC: $x > 10/08/2022$	Invalid	11/08/2022
	EC: x non date value	Invalid	123
Registration Amount	EC: $x \geq 12500$	Valid	13500
	EC: $x < 12500$	Invalid	10000
	EC: x non numerical value	Invalid	Xyz

Test Cases:

- All test cases:
 - 8 test cases are derived: 1 positive (valid value) and 7 negative (invalid values)

Variable	Status	Representatives	TO1	TO2	TO3	TO4	TO5	TO6	TO7	TO8
Registration Semester	Valid	223	*			*	*	*	*	*
	Invalid	173		*						
	Invalid	Abc			*					
Registration Date	Valid	02/08/2022	*	*	*				*	*
	Invalid	30/07/2022				*				
	Invalid	11/08/2022					*			
	Invalid	123						*		
Registration Amount	Valid	13500	*	*	*	*	*	*		
	Invalid	10000							*	
	Invalid	Xyz								*
Expected Result			P	F	F	F	F	F	F	F