Test Scenario: String encoder

Test Cases

public String encode(List<List<String>> listOfLists);

Test case ID	Description	Input	Expected output	Actual output
1	Encode valid strings	encode (List<List<a,b,c>, List<d,e>>)	"a";"b";"c":"d";"e"	
2	Encode empty string	encode (List<List<"">,List<"">>)	"":""	
3	String contains semicolons (';')	encode (List<List<a;a,b,c>, List<d,e>>)	"a;a";"b";"c":"d";"e"	
4	String contains colon (':')	encode (List<List<a:a,b,c>, List<d,e>>)	"a:a";"b";"c":"d";"e"	
5	String contains double quote (""")	encode (List<List<"a"a,b,c>, List<d,e>>)	""a"a";"b";"c":"d";"e"	
6	Encode null	null	null	
7	First and last element of the list contain List separator	encode(List<List<:a>, List<b:>>)	":a": "b:"	

public List<List<String>> decode(String encoded);

Test case ID	Description	Input	Expected output	Actual output
1	Decode valid strings	decode ("a";"b";"c":"d";"e")	List<List<a,b,c>, List<d,e>>	
2	Decode empty string	decode Empty string decode("":"")	(List<List<"">,List<"">>)	
3	String contains semicolons (';')	decode ("a;a";"b";"c":"d";"e")	List<List<a;a,b,c>, List<d,e>>)	
4	String contains colon (':')	decode ("a:a";"b";"c":"d";"e")	List<List<a:a,b,c>, List<d,e>>	
5	String contains double quote ('"')	decode (""a"a";"b";"c":"d";"e")	List<List<"a"a,b,c>, List<d,e>>	
6	Decode null	null	null	
7	First and last element of the list contain List separator	decode (":a": "b:")	List<List<:a>, List<b:>>	