

ENEE 457

Differential Privacy Class Exercise

1. Show that mechanism M defined below is not differentially private, using the definition of differential privacy and the databases D and D' defined below.

M randomly chooses a set of 3 records and returns the number of UMD students in the randomly chosen set.

Name	UMD Student
Alice	0
Bob	0
Charlie	0
Daniel	1
Edgar	0

Name	UMD Student
Alice	0
Bob	0
Charlie	0
Edgar	0