

7	The Joint probability density function of X and Y is given by $f(x,y) = \begin{cases} x+y, & 0 \le x \le 1, & 0 \le y \le 1 \\ 0 & otherwise \end{cases}$ Obtain the correlation coefficient between X and Y.	(i) -0.09	
8	Two random variable X and Y have joint density function $f(x,y) = \begin{cases} 2-x-y, & 0 \le x \le 1, & 0 \le y \le 1 \\ 0 & otherwise \end{cases}$ Find Cov (X, Y) and Correlation Coefficient of X and Y		(i) - 1/144 (ii) - 0.09