Bayes Theorem	Bayes' theorem is used to calculate the conditional probability. Conditional probability is the probability of an event 'B' occurring given the related event 'A' has already occurred.
	For example, Let's say a clinic wants to cure cancer of the patients visiting the clinic.
	A represents an event "Person has cancer"
	B represents an event "Person is a smoker"
	The clinic wishes to calculate the proportion of smokers from the ones diagnosed with cancer.
	To do so use the Bayes' Theorem (also known as Bayes' rule) which is as follows:
	$P(A B) = \frac{P(B A)P(A)}{P(B)}$
	r(B)