8. Develop a LaTeX script to demonstrate the presentation of Numbered theorems, definitions, corollaries, and lemmas in the document.

```
\documentclass{article}
% Define theorem-like environments
\newtheorem{theorem}{Theorem}[section] % Numbered within sections
\newtheorem{definition}[theorem]{Definition} % Numbered along with theorems
\newtheorem{corollary}[theorem]{Corollary} % Numbered along with theorems
\newtheorem{lemma}[theorem]{Lemma} % Numbered along with theorems
\usepackage{lipsum}
\begin{document}
       \section{Theorems and Definitions}
       \begin{theorem}
               This is a theorem.
               \lipsum[1]
       \end{theorem}
       \begin{definition}
               This is a definition.
               \lipsum[1]
       \end{definition}
       \begin{corollary}
               This is a corollary.
               \lipsum[1]
       \end{corollary}
       \begin{lemma}
               This is a lemma.
               \lipsum[1]
       \end{lemma}
\end{document}
```