In this thesis we will study relationship between space of absolutely continuous functions and space of functions with bounded variation. In first three chapters we will study properties of absolutely continuous functions and functions with bounded variation and we will show nessesary and sufficient condition for functions with bounded variation to be absolutely continuous. Moreover we will show one part of fundamental theorem of calculus for Lebesgue's integral. In the last chapter we will study relationship between absolutely continuous mappings and mappings with bounded variation from $\mathbb{R}^n$ to $\mathbb{R}^m$.