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In this talk, I will discuss some finite index subgroups of Richard Thompson's Group  $F$ . After a brief introduction of  $F$ , I will define a specific family of finite index subgroups of  $F$ , showing that each subgroup in the family is isomorphic to  $F$ . I will also give examples of finite index subgroups of  $F$  that are not isomorphic to  $F$ . No prior knowledge of Thompson's group  $F$  is required to enjoy this talk. (Received September 18, 2007)