Performance level in academic field is always remaining as a great challenge for educational researchers and administrators. Present study is a little step forwarded in this direction, which may helpful in the enhancement of achievement of adolescents in academic field. Purpose of the present study is to throw some lights on influence of style of learning and thinking and emotional intelligence on academic achievement of adolescents. Descriptive survey method was adopted to acknowledge current condition of the problem under taken. An initial data of 600 respondents belong to adolescents of five districts of Haryana (Sirsa, Rohtak, Sonipat, Kurukshetra and Rewari) studying in Class XI under Board of School Education Haryana, were taken randomly. With reference to objectives of the study, whole data (600) was reduced to 424 on norms of the tools used and all the required groups were formed for comparison. All the statistical analysis like Mean(s), SD(s), SEM(s) and t-Test(s) were done with the help of SPSS 20.0. Result shows that i) Right Hemisphere preferred adolescents are high academic achievers than Left Hemisphere preferred adolescents. ii) High Emotional Intelligent adolescents are high academic achievers than Low Emotional Intelligent adolescents. iii) Right Hemisphere preferred High Emotional Intelligent adolescents are high academic achievers than Right Hemisphere preferred Low Emotional Intelligent adolescents. iv) Right Hemisphere preferred High Emotional Intelligent adolescents are high academic achievers than Left Hemisphere preferred High Emotional Intelligent adolescents.