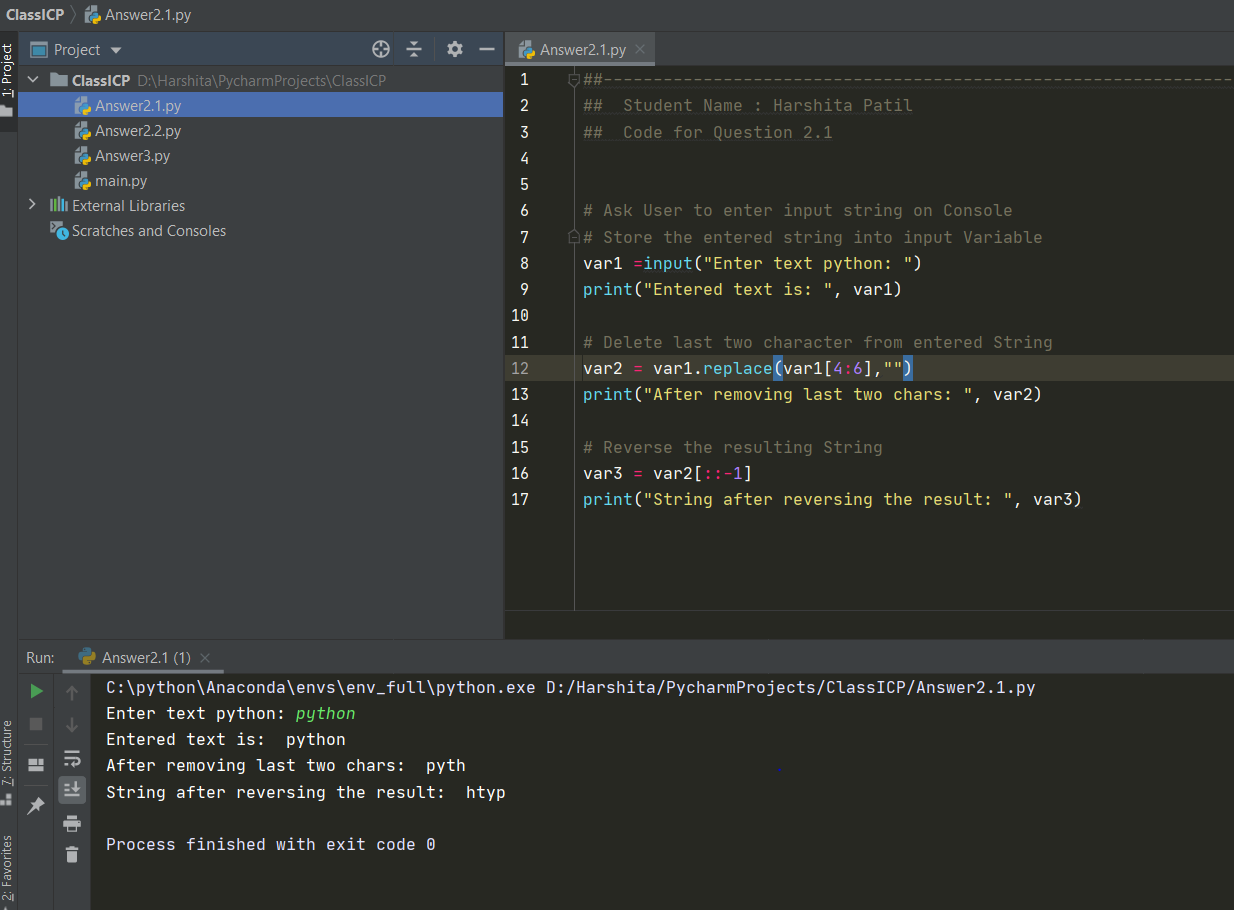
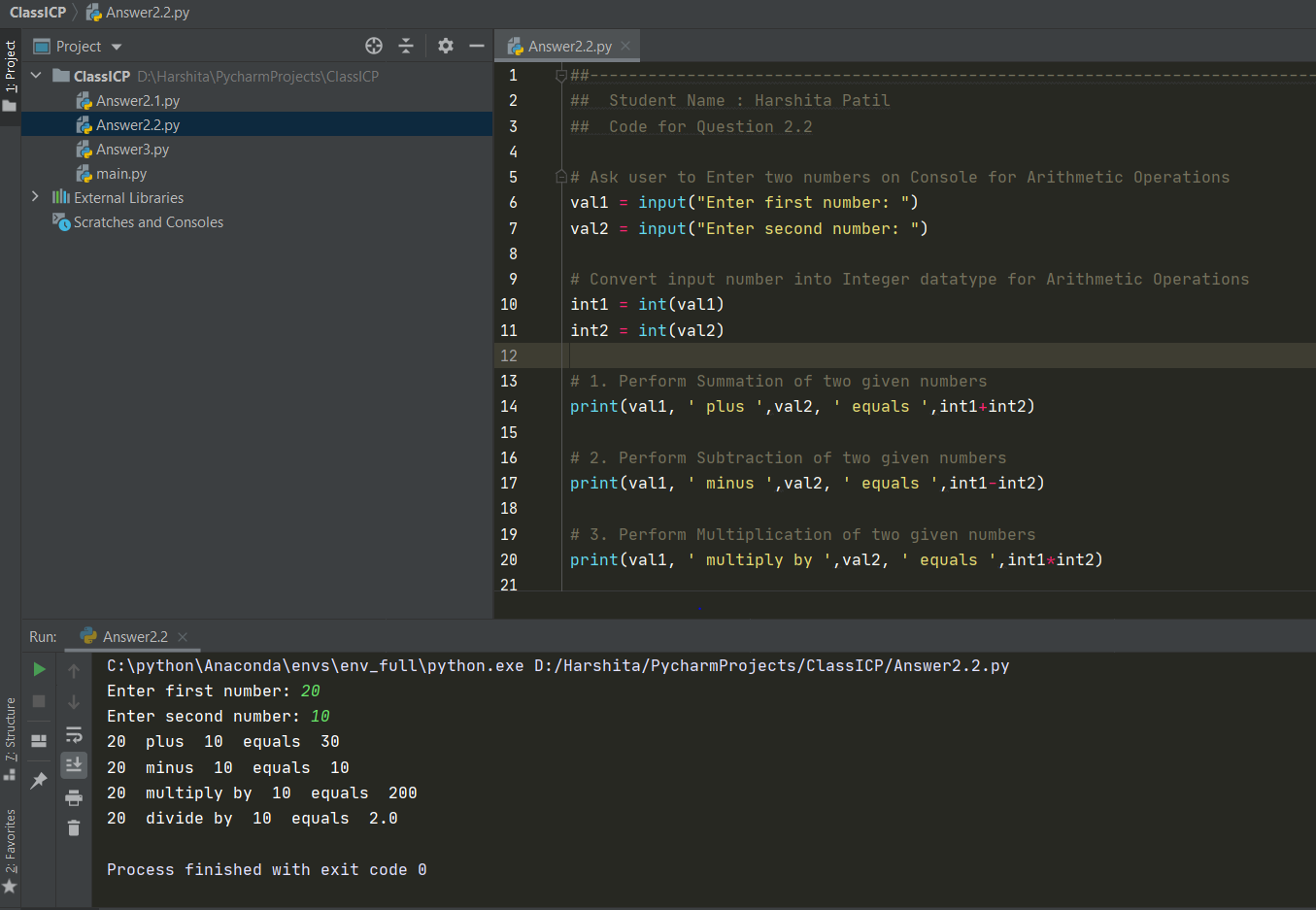
1) Code for Question 2.1



2) Code for Question 2.2



3) Code for Question 3

