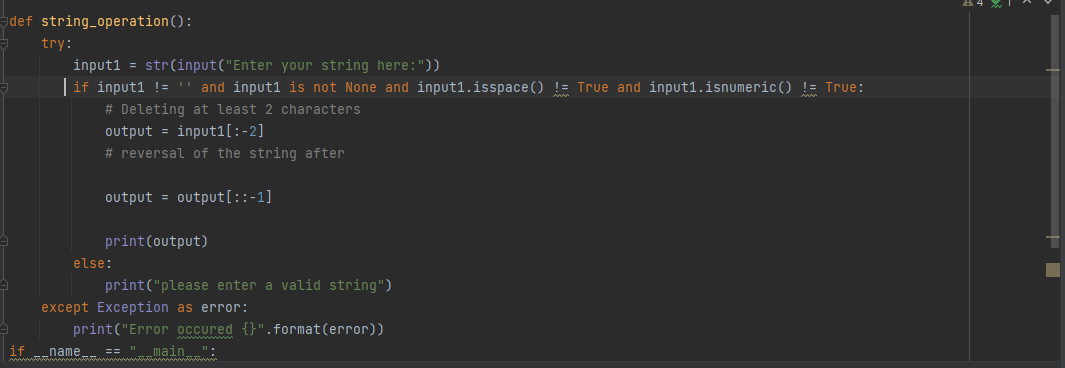
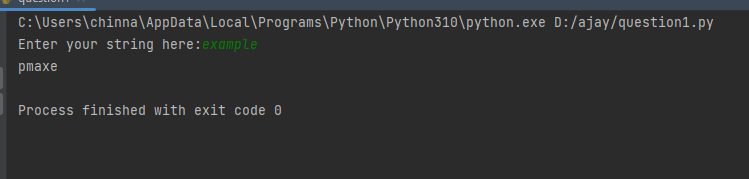
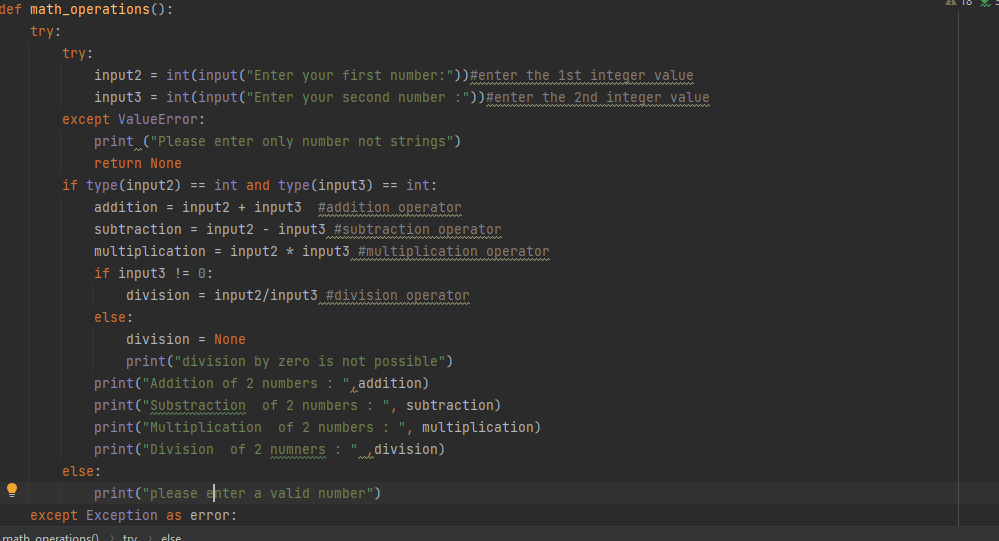
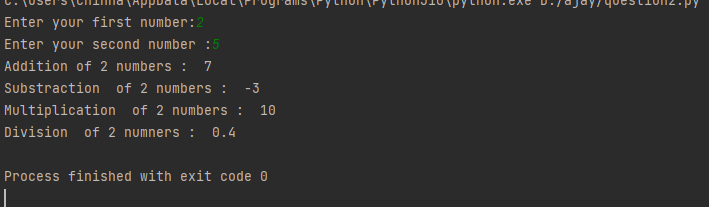
Question 1.

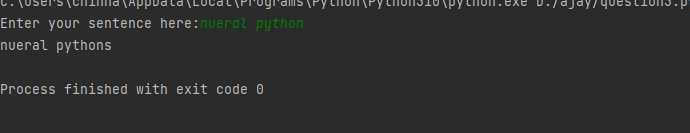
Output 1:

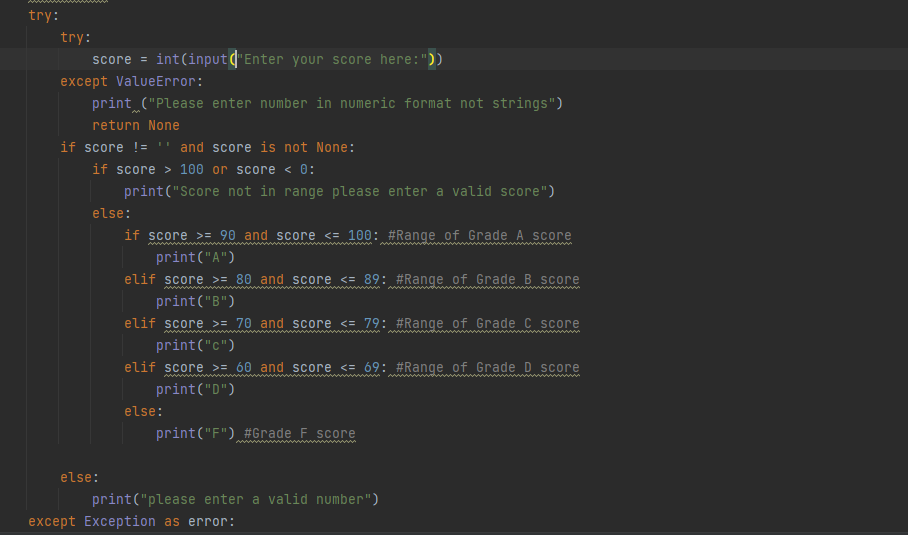


Question 2.



Output 2: 

Output 3: 

Question 4. 

Output 4: 