Work Flow:

Problem-02:

1. Collected all the information from the following website:

https://waterdata.usgs.gov/nwis/annual/?site\_no=08039100&referred\_module=sw&format=sites\_selection\_links

1. Extract the required data & made a CSV file
2. Read the CSV file and plot it for year vs annual discharge
3. Define the function for F(x)
4. Find out the value of F(x) for r & n
5. Import the value of F(x) into CSV file
6. Plot for annual cumulative discharge vs year

Problem-03

1. Define the function for calculating the area
2. Import value to calculate the area of that function
3. For that I calculated the wetted perimeter from the slope which was not given
4. After defining all the parameters I got the value of the area
5. Then I multiply the area with width to get the volume of soil