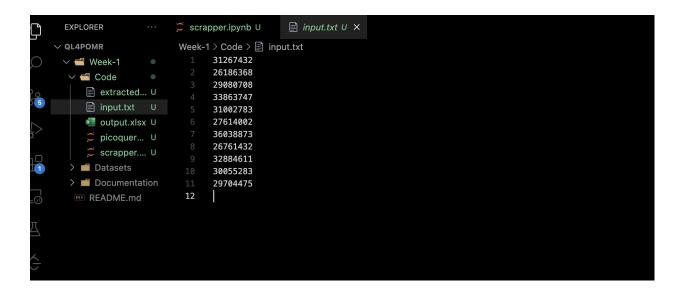
Step-1: picoquery.ipynb file is used for querying and getting article IDs from PubMed and is written into a file.



Step-2: scrapper.ipynb file is used to scrap the abstracts from articles and split them into different blocks of the Excel sheet.

```
input.txt U
                           headers={'user-agent': 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, lik
output.xlsx U
                           file= open('input.txt','r')
  picoquer... U
                           ids= file.readlines()
  scrapper.... U
                           base_url='https://pubmed.ncbi.nlm.nih.gov/'
                           total abstracts={}
Documentation
                           for id in ids:
                              pmcid= id.strip()
README.md
                               r=s.get(base_url+pmcid+'/',headers=headers,timeout=5)
                              soup = BeautifulSoup(r.content, 'html.parser')
                              div_abstract = soup.find('div', {'class': 'abstract'})
                               if div_abstract:
                                  abstract_components= div_abstract.find_all('p')
                                  abstract_components=[clean_string(abstract.text.strip()) for abstract in abstract_components]
                                  total_abstracts[id]=convert_to_map(abstract_components)
                           def write_nested_map_to_excel(nested_map, filename):
                              workbook = Workbook()
                              sheet = workbook.active
                               row = 1
                               for outer_key, inner_map in nested_map.items():
                                  sheet.cell(row=row, column=1, value=outer_key)
                                   for inner_key, value in inner_map.items():
                                      sheet.cell(row=row, column=2, value=inner_key)
                                      sheet.cell(row=row, column=3, value=value)
                                      row += 1
                                  row += 1
                              workbook.save(filename)
                          write_nested_map_to_excel(total_abstracts, 'output.xlsx') 💡
```

