Step 1: The provider enters the desired imaging procedure and associated diagnosis

```
In [17]: runfile('/Users/christian_evelynnguyen/Christian\'s Python
Learning Journey/untitled1.py', wdir='/Users/christian_evelynnguyen/
Christian\'s Python Learning Journey')
Enter your procedure: |
```

Step 2: The program finds the first result relevant to the procedure's billing guidelines

```
In [18]: runfile('/Users/christian_evelynnguyen/Christian\'s Python
Learning Journey/untitled1.py', wdir='/Users/christian_evelynnguyen/
Christian\'s Python Learning Journey')
Enter your procedure: Colonoscopy
First Result:
Title: Diagnostic and Therapeutic Colonoscopy (A57342)
Link:
https://www.cms.gov/medicare-coverage-database/view/article.aspx?
articleId=57342
Description: The following billing and coding guidance is to be used with
its
associated Local Coverage Determination.
```

Step 3: The program uses the web link to scrape the diagnosis codes covered under Medicare guidelines

```
A18.32 | Tuberculous enteritis
A41.01 | Sepsis due to Methicillin susceptible Staphylococcus aureus
A41.02 | Sepsis due to Methicillin resistant Staphylococcus aureus
A41.4  | Sepsis due to anaerobes
A41.50 | Gram-negative sepsis, unspecified
A41.51 | Sepsis due to Escherichia coli [E. coli]
A41.52 | Sepsis due to Pseudomonas
A41.53 | Sepsis due to Serratia
A41.54 | Sepsis due to Acinetobacter baumannii
A41.59 | Other Gram-negative sepsis
A41.81 | Sepsis due to Enterococcus
A41.89 | Other specified sepsis
A42.7  | Actinomycotic sepsis
C18.0  | Malignant neoplasm of cecum
C18.1  | Malignant neoplasm of appendix
C18.2  | Malignant neoplasm of ascending colon
C18.3  | Malignant neoplasm of hepatic flexure
C18.4  | Malignant neoplasm of transverse colon
C18.5  | Malignant neoplasm of splenic flexure
C18.6  | Malignant neoplasm of descending colon
```

Step 4: The program compares the inputted diagnosis with the covered codes , alerting the user if the diagnosis entered is not covered by Medicare

Step 5: If the diagnosis is not covered, the program prompts the user with similar codes that are covered by Medicare