

**CSCI 1470.3**  
**Fall 2025**  
**Homework #4 wikipedia**

[1] This assignment introduces using the external Python module for more realistic assignments. It uses the built-in Wikipedia library to fetch and display information from Wikipedia.

Write a Python program, h4.py, to accept an user input choice from 1 to 5. The program starts by showing five choices of Wikipedia pages:

- (1) Golden Gate Bridge
- (2) Brooklyn Bridge
- (3) San Jacinto battleground monument
- (4) Johnson Space Center
- (5) University of Houston-Clear Lake

It then shows Wikipedia information on the page title, URL, summary, coordinate and nearby pages.

The following five executions show the desirable output for the five choices.

~~Do not define your own lists. Instead, you must use the match/case statement since a focus of this assignment is the conditional statements.~~ (update: this requirement is lifted. You do not need to use the match/case statement if desired.)

Five executions of h4.py:

```
C:\...\hw>python h4.py
Wikipedia pages near the following attractions (1 to 5)
  (1) Golden Gate Bridge
  (2) Brooklyn Bridge
  (3) San Jacinto battleground monument
  (4) Johnson Space Center
  (5) University of Houston-Clear Lake

your choice from 1 to 5: 1
Wikipedia page title: Golden Gate Bridge
Page URL: https://en.wikipedia.org/wiki/Golden_Gate_Bridge
Summary:
The Golden Gate Bridge is a suspension bridge spanning the Golden Gate, the one-
mile-wide (1.6 km) strait connecting San Francisco Bay and the Pacific Ocean in
California, United States. The structure links San Francisco—the northern tip of the
San Francisco Peninsula—to Marin County, carrying both U.S. Route 101 and California
State Route 1 across the strait. It also carries pedestrian and bicycle traffic, and
is designated as part of U.S. Bicycle Route 95.
Page coordinates: (37.819722220000, -122.478611110000)
Wikipedia pages nearby:
-- Golden Gate Bridge
-- Lime Point Light
-- Fort Point Light (San Francisco)
-- Fort Point National Historic Site
-- SS City of Chester
```

```
C:\...\hw>python h4.py
```

```
Wikipedia pages near the following attractions (1 to 5)
```

- (1) Golden Gate Bridge
- (2) Brooklyn Bridge
- (3) San Jacinto battleground monument
- (4) Johnson Space Center
- (5) University of Houston-Clear Lake

```
your choice from 1 to 5: 2
```

```
Wikipedia page title: Brooklyn Bridge
```

```
Page URL: https://en.wikipedia.org/wiki/Brooklyn\_Bridge
```

```
Summary:
```

The Brooklyn Bridge is a cable-stayed suspension bridge in New York City, spanning the East River between the boroughs of Manhattan and Brooklyn. Opened on May 24, 1883, the Brooklyn Bridge was the first fixed crossing of the East River. It was also the longest suspension bridge in the world when opened, with a main span of 1,595.5 feet (486.3 m) and a deck 127 ft (38.7 m) above mean high water.

```
Page coordinates: (40.705700000000, -73.996400000000)
```

```
Wikipedia pages nearby:
```

- Brooklyn Bridge
- Cuauhtémoc-Brooklyn Bridge collision
- The River Café (Brooklyn)
- 1994 Brooklyn Bridge shooting
- Fulton Ferry station

```
C:\...\hw>python h4.py
```

```
Wikipedia pages near the following attractions (1 to 5)
```

- (1) Golden Gate Bridge
- (2) Brooklyn Bridge
- (3) San Jacinto battleground monument
- (4) Johnson Space Center
- (5) University of Houston-Clear Lake

```
your choice from 1 to 5: 3
```

```
Wikipedia page title: San Jacinto Monument
```

```
Page URL: https://en.wikipedia.org/wiki/San\_Jacinto\_Monument
```

```
Summary:
```

The San Jacinto Monument is a 567.31-foot-high (172.92-meter) column located on the Houston Ship Channel in unincorporated Harris County, Texas, about 16 miles due east of downtown Houston. The octagonal Art Deco spire is topped with a 34-foot (10 m) , 220-ton Lone Star - the symbol of Texas. The memorial commemorates the site of the Battle of San Jacinto, the decisive engagement of the Texas Revolution.

```
Page coordinates: (29.749900000000, -95.080700000000)
```

```
Wikipedia pages nearby:
```

- San Jacinto Monument
- San Jacinto Battleground State Historic Site
- Battle of San Jacinto
- Carpenters Bayou
- Lynchburg Ferry

```
C:\...\hw>python h4.py
```

```
Wikipedia pages near the following attractions (1 to 5)
```

- (1) Golden Gate Bridge
- (2) Brooklyn Bridge
- (3) San Jacinto battleground monument
- (4) Johnson Space Center
- (5) University of Houston-Clear Lake

```
your choice from 1 to 5: 4
```

```
Wikipedia page title: Johnson Space Center
```

```
Page URL: https://en.wikipedia.org/wiki/Johnson\_Space\_Center
```

```
Summary:
```

```
The Lyndon B. Johnson Space Center (JSC) is NASA's center for human spaceflight in Houston, Texas (originally named the Manned Spacecraft Center), where human spaceflight training, research, and flight control are conducted. It was renamed in honor of the late U.S. president and Texas native, Lyndon B. Johnson, by an act of the United States Senate on February 19, 1973.
```

```
JSC consists of a complex of 100 buildings constructed on 1,620 acres (660 ha) in Clear Lake.
```

```
Page coordinates: (29.558333330000, -95.088888890000)
```

```
Wikipedia pages nearby:
```

- Johnson Space Center
- Christopher C. Kraft Jr. Mission Control Center
- Space Environment Simulation Laboratory
- Johnson Space Center shooting
- Lunar Sample Laboratory Facility

```
C:\...\hw>python h4.py
```

```
Wikipedia pages near the following attractions (1 to 5)
```

- (1) Golden Gate Bridge
- (2) Brooklyn Bridge
- (3) San Jacinto battleground monument
- (4) Johnson Space Center
- (5) University of Houston-Clear Lake

```
your choice from 1 to 5: 5
```

```
Wikipedia page title: University of Houston-Clear Lake
```

```
Page URL: https://en.wikipedia.org/wiki/University_of_Houston%E2%80%93Clear_Lake
```

```
Summary:
```

```
The University of Houston-Clear Lake (UHCL) is a public university in Pasadena and Houston in Texas, with branch campuses in Pearland and Texas Medical Center. It is part of the University of Houston System. Founded in 1971, UHCL had an enrollment of more than 9,000 students for fall 2019.
```

```
Page coordinates: (29.577607000000, -95.107262000000)
```

```
Wikipedia pages nearby:
```

- University of Houston-Clear Lake
- Clear Lake High School (Texas)
- Bay Forest, Houston
- Lunar and Planetary Institute
- Armand Bayou Nature Center

Upload the file h4.py. You probably will need to save h4.py as h4.py.txt to upload it to Canvas.