

Ganesh S Team-MakeChange

Screen Captures:

```
✓ [1] import requests
1s      import bs4
      import re
      import csv
```

checking connection

```
✓ [2]
1s      try:
      response = requests.get('https://www.google.com')
      print("Internet connection is working.")
      except requests.exceptions.ConnectionError as e:
      print("No internet connection:", e)
```

⇒ Internet connection is working.

Get a random blog post from WikiHow

```
✓ [3] url = "https://www.wikihow.com/Special:Randomizer"
1s      response = requests.get(url)
      soup = bs4.BeautifulSoup(response.content, 'html.parser')
```

Extract the subheadings and paragraphs using the appropriate HTML tags



```
subheadings = []
paragraphs = []
steps = soup.find_all('div', {'class': 'step'})
for step in steps:
    subheading_element = step.find('b')
    if subheading_element is not None:
        subheading_text = subheading_element.text.strip().replace('\n', '')
        subheading_text = subheading_text.encode('ascii', errors='ignore').decode()
        subheading_text = re.sub(r'\r', '', subheading_text)
        print(subheading_text)
        subheadings.append(subheading_text)

    # removes titles and extra links
    subheading_element.extract()
    for span_tag in step.find_all('span'):
        span_tag.extract()
```

This requires basic carpenter tools and a sheet of .75-inch (19 mm) plywood along with 2 x 4-inch (5.1 x 10.2 cm) by 8 feet (2.4 m). Assemble the forms with the two 48-inch (1.2 m) pieces laid parallel. Begin nailing the 9-inch (22.9 cm) pieces between the two 48-inch (1.2 m) strips using either double-headed 16 penny concrete form nails. Use a spray can of form release oil to aid in stripping the forms after pouring the concrete into the brick molds. [2]Take care not to stain any concrete bricks. Make the concrete and pour it into the assembled molds. This will most likely be the most physically challenging part of making brick from concrete. Using a commercially prepared dry mix (1 bag) Put a bag of prepared concrete material in a wheelbarrow. Make a small hole in the middle of the dry mix using a shovel or a common garden hoe.[3]Begin adding small amounts of water in that hole. Use a shovel to put the concrete into the forms. [4]Tap on the side of the forms with the brick forms filled. Tapping on the top afterward will force any trapped air out from inside. Strip the forms from the concrete bricks on the next day. Stack the bricks in a cool area to cure a suggested 2 weeks. Cover them up with a mover's blanket while they are curing and keep them finished.

```

for count in range(4000):

    url = 'https://www.wikihow.com/Special:Randomizer'
    response = requests.get(url)
    html_content = response.content
    soup = BeautifulSoup(html_content, 'html.parser')
    article_title = soup.find('title').text.strip()
    print(article_title+" "+str(count))
    subheadings = []
    paragraphs = []
    steps = soup.find_all('div', { 'class': 'step'})
    for step in steps:
        subheading_element = step.find('b')
        if(subheading_element is not None):
            subheading_text = subheading_element.text.strip().replace('\n','')
            subheading_text = subheading_text.encode('ascii', errors='ignore').decode()
            subheading_text = re.sub(r'', '', subheading_text)
            subheadings.append(subheading_text)
            subheading_element.extract()
        for span_tag in step.find_all('span'):
            span_tag.extract()
        paragraph_text = step.text.strip().replace('\n','').replace(' ','')
        paragraph_text = paragraph_text.encode('ascii', errors='ignore').decode()
        paragraph_text = re.sub(r'', '', paragraph_text)
        paragraphs.append(paragraph_text)
    file_path = './working/wikiHow.csv'
    file_exists = os.path.exists(file_path)
    if len(subheadings):
        os.makedirs(os.path.dirname(file_path), exist_ok=True)
        with open(file_path, mode='a', newline='', encoding='utf-8') as csv_file:
            writer = csv.writer(csv_file)

            if not file_exists:
                writer.writerow(['Article Title', 'Subheading', 'Paragraph'])

            for i in range(len(subheadings)):
                writer.writerow([article_title, subheadings[i], paragraphs[i]])

```