



NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES
FAST - PESHAWAR CAMPUS

Subject: Software Construction and Development Lab (CL-3001)

Instructor: Muhammad Saood Sarwar

Quiz : 2

Section: B

Question 1: The following HTML code is provided for your reference. Based on this code, please use BeautifulSoup to extract and display the output for the specified patterns.

```
html = ""
<div id="main-content">
  <h2>Main Title</h2>
  <div class="section">
    <h3>Subsection 1</h3>
    <p>This is some text about data formats.</p>
    <p>More information without the keyword.</p>
    <p>This paragraph contains useful data.</p>
  </div>
  <div class="section highlight">
    <h3>Subsection 2</h3>
    <p class="highlight">This is highlighted important data.</p>
    <p>This paragraph should not be selected.</p>
  </div>
  <div>
    <h1>Hello World
    <h5>Software Construction</h5></h1>
    <h2>Another Title</h2>
    <p>Some other random text.</p>
  </div>
</div>
""
```

```
1.      tag1 = soup.select('h1, h5')
        for i in tag1:
            print(i.text)
```

```
2.      tag2 = soup.select('h1 h5')
        for i in tag2:
            print(i.text)
```

```
3.      tag3 = soup.select('.highlight')
        for elem in tag3:
            print(elem.text)
```

```
4.      tag4 = soup.select('.section h3')
        for i in tag4:
            print(i.text)
```

```
5.      tag5 = soup.find_all('p')
        for para in tag5:
            if 'keyword' not in para.text:
                print(para.text)
```