# **Topic: python**

## **Subtopic: Conditional element presence checking**

## **Difficulty level: Easy**

## **Question 1:**

Alex needs to perform several tasks involving webscraping using python's Conditional element presence checking. The BeautifulSoup class has key properties for parsing HTML documents and methods to find and check HTML elements' presence. Alex wants to check if a specific HTML element with the id "main-content" exists before extracting its text.

**Complete the code using the instructions:**

At Blank undefined: undefined

**Sample Script:**

A few lines in the Sample Script are missing (Enter your code here). You need to complete the code as per the given instructions.

from bs4 import BeautifulSoup  
  
html\_content = """  
<html>  
<head><title>Sample Page</title></head>  
<body>  
<div id="main-content">  
<p>Welcome to the sample page!</p>  
</div>  
</body>  
</html>  
"""  
  
def main():  
 # 1. Create BeautifulSoup object from HTML content  
 soup = Blank 1 # Enter your code here  
 # 2. Find the element with id "main-content"  
 main\_content = Blank 2 # Enter your code here  
 # 3. Check if the element exists  
 is\_present = Blank 3 # Enter your code here  
 # 4. Retrieve text if present, else a default message  
 extracted\_text = Blank 4 # Enter your code here  
 # 5. Print the extracted text or default message  
 print(Blank 5) # Enter your code here  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()

**Answers:**

undefined. undefined