# **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 1: Create a BeautifulSoup object from the given HTML content string   
At Blank 2: Use the appropriate method to find the element with id "main-content"   
At Blank 3: Check if the element found is not None and assign the condition to a variable   
At Blank 4: Retrieve the text from the element only if it is present, otherwise assign a default message   
At Blank 5: Print the final extracted text or the default message   
  
A few lines in the Sample Script are missing (Enter your code here). You need to complete the code as per the given instructions.

**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.

**Sample Script:**

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