A balanced delimiter starts with an opening character ((, [, {), ends with a matching closing character (),], } respectively), and has only other matching delimiters in between. A balanced delimiter may contain any number of balanced delimiters.

Examples
The following are examples of balanced delimiter strings:

()[]{}
([{}])
([]{})
The following are examples of invalid strings:
([)]
([]
[])
([})
Input is provided as a single string. Your output should be True or False according to whether the string is balanced. For example:

Input:
([{}])
Output:
True

ANS:

```
def is_balanced_delimiters(input_str):
    stack = []
    opening_chars = '({['
    closing_chars = ')}]'

    for char in input_str:
        if char in opening_chars:
            stack.append(char)
        elif char in closing_chars:
            if not stack:
                return False
            top_char = stack.pop()
            if opening_chars.index(top_char) != closing_chars.index(char):
                return False

    return not stack

if __name__ == "__main__":
```

```
    input_str = input("Input: ")
    result = is_balanced_delimiters(input_str)
    print("Output:", result)
```

OUTPUT: