**User Story:**

1. As a User, I want to check if two strings are anagrams, so that I can determine if they have the same set of characters.

Acceptance Criteria:

* The program should prompt the user to enter the first string.
* The program should prompt the user to enter the second string.
* The program should output whether the entered strings are anagrams or not.
* The comparison should be case-insensitive and ignore spaces.

2. As a User, I want the anagram check to handle input with different cases, so that "Listen" and "Silent" are considered anagrams.

Acceptance Criteria:

* The program should treat uppercase and lowercase characters as equivalent when checking for anagrams.
* For example, "Listen" and "Silent" should be considered anagrams.

3. As a User, I want to ensure that the anagram check works correctly for phrases with spaces, so that "Astronomer" and "Moon starer" are identified as anagrams.

Acceptance Criteria:

* The program should ignore spaces when comparing the strings for anagrams.
* For example, "Astronomer" and "Moon starer" should be considered anagrams

**TEST CASE DOCUMENTATION**

| **Test method name** | **Test description** | **Input** | **Expected output** | **Actual output** |
| --- | --- | --- | --- | --- |
| TestCase1::  Test\_Anagram\_Checker | Check whether the two strings are valid anagram | silent  listen | TRUE | TRUE |
| TestCase2:  Test\_Anagram\_Checker NonAnagram | Check whether the two strings are not valid anagram | hello  java | FALSE | FALSE |
| TestCase3::  Test\_Anagram\_Checker With\_Spaces | Check whether the method  ignores the spaces or not | Astronomy  Moon starer | TRUE | TRUE |
| TestCase4:  Test\_Anagram\_Checker Anagram With\_DifferentCases | Check whether the method  ignores different cases (not case sensitive) | Debit card  Bad credit | TRUE | TRUE |
| TestCase5::  Test\_Anagram\_Checker Anagram With\_Numbers | Check whether the two strings are valid anagram if the strings are numbers | 1234  4321 | TRUE | TRUE |
| TestCase6::  Test\_Anagram\_Checker Anagram With\_EmptyString | Check whether the method handles empty strings or not | “” | TRUE | TRUE |
| TestCase7::  Test\_Anagram\_Checker Anagram With\_MixedCharacters | Check whether the method works correctly for mixed characters | abc  123 | FALSE | FALSE |
| TestCase8::  Test\_Anagram\_Checker Anagram With\_SpecialCharacter | Check whether the method handles special characters correctly | hello  h@llo | FALSE | FALSE |