# **Task 1.2**

**Function Name:** palindrome\_check($string)

**Function Description:** The function verifies the input string is a palindrome.

**Test Feature:** Test thefunctionpalindrome\_check

### **Positive Scenarios:**

**Scenario 1**Verify if input string is a palindrome, it should give message that “The given string is palindrome.”

**Scenario 1.1: a>** When input string is a palindrome  
 **Given** Function palindrome\_check is called  
 **When** Input string is a palindrome, ‘MALAYALAM’ **Then** it should give message that “The given string is palindrome.”

**b>** When input is long palindrome.”   
 **Given** Function palindrome\_check is called  
 **When** Input string is a palindrome, ‘iTopiNonAvevAnoNipoTi’ **Then** it should give message that “The given string is palindrome.”

**Scenario 1.2:** When input is single character like ‘a’, it should give message that “The given string is palindrome.”   
 **Given** Function palindrome\_check is called  
 **When** Input string is single character like ‘a’ **Then** it should give message that “The given string is palindrome

**Scenario 1.3:** When input is with space ‘rac car’, it should give message that “The given string is palindrome.”   
 **Given** Function palindrome\_check is called  
 **When** Input string is single character like ‘rac car’ **Then** it should give message that “The given string is palindrome

**Scenario 2**Verify if input string is a palindrome and has different case characters, it should identify the string as palindrome and should give message that “The given string is palindrome.”

**Scenario 2.1:** When input is palindrome but has different case   
 **Given** Function palindrome\_check is called  
 **When** Input string is a palindrome  
 **And** Input string has different case characters like ‘Sator Arepo Tenet Opera Rotas’ **Then** it should give message that “The given string is palindrome”

**Scenario 3**Verify if input string has special character, it should give message that “The given string is palindrome.”

**Scenario 3.1:** When input is a palindrome and has special character  
 **Given** Function palindrome\_check is called  
 **When** Input string is a palindrome  
 **And** Input string has special character **Then** it should identify the string as palindrome and should give message that “The given string is palindrome.”

### **Negative Scenarios:**

**Scenario 4**Verify if input string is not a palindrome, it should give message that “The given string is not a palindrome.”

**Scenario 4.1:** When input is ‘not a palindrome  
 **Given** Function palindrome\_check is called  
 **When** Input string is not a palindrome like ‘antenna’ **Then** it should give message that “The given string is not a palindrome.”

**Scenario 4.2:** When input is not palindrome due to space  
 **Given** Function palindrome\_check is called  
 **When** Input is not palindrome due to space like ‘race car’ or ‘A man, a plan, a canal, Panama’ **Then** it should give message that “The given string is not a palindrome.”

**Scenario 5**Verify if input string is null, it should give message that “The given string is empty.”

**Scenario 5.1:** When input is null  
 **Given** Function palindrome\_check is called  
 **When** Input string is null **Then** it should give message that “The given string is not a palindrome.”

**Scenario 6**Verify if input string is empty, it should give message that “The given string is empty.”

**Scenario 6.1:** When input is blank   
 **Given** Function palindrome\_check is called  
 **When** Input string is blank ‘’ **Then** it should give message that “The given string is empty.”

**Scenario 6.2:** When input is space   
 **Given** Function palindrome\_check is called  
 **When** Input string is only space ‘ ’ **Then** it should give message that “The given string is empty.”