**Palindrome Program:-**

**SRS (Software Requirements Specifications):-**

**System Overview:-**

The Palindrome program is a Python program that checks if a string is a palindrome. A palindrome is a word or phrase that reads the same backward as it does forward. For example, "madam" is a palindrome.

**Functional Requirements:-**

* Accept a string as input from the user.
* Check if the string is a palindrome.
* Print a message indicating whether the string is a palindrome or not.

**Non-Functional Requirements:-**

* The program must be able to handle strings of any length.
* The program must be able to handle strings that contain any characters, including letters, numbers, and symbols.
* The program must be able to handle strings that are case-insensitive.

**Acceptance Criteria:-**

* The program must be able to correctly identify all palindromes.
* The program must be able to correctly identify all non-palindromes.
* The program must be able to handle strings of any length.
* The program must be able to handle strings that contain any characters, including letters, numbers, and symbols.
* The program must be able to handle strings that are case-insensitive.

**Test Cases:-**

**Palindrome:-**

Madam, dad, mom, racecar,noon,level,etc.

**Non-Palindrome:-**

Hello, hai, python, good,etc.