

ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as "Check".
- Step-3 :- Create a constructor to initialize the instance variable String wrd with null, int len with 0.
- Step-4 :- Create a void method "acceptword()" to input a word in wrd and and count the length of the word and store in len.
- Step-5 :- Create a boolean method "palindrome()" to check if the word is palindrome or not by checking the first and the last leter of the word i.e. palinedrome words will have first and last letter common.
- Step-6 :- Create a void method "display()" to print if the entered word is palindrome or not by checking the result of the boolean "palindrome()".
- Step-7 :- Create the "main" method to create a object and call "acceptword()" and "display()" methods.
- Step-8 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	wrd	String	Stores the input word
2	len	int	Stores the len of the input word
3	i	int	To iterate the for-loop for checking palindrome
4	j	int	To iterate the for-loop for checking palindrome

OUTPUT

```
BlueJ: Terminal Window - basic
Options
ENTER INTEGER TO CHECK (N): 197
197
971
719
197 IS A CIRCULAR PRIME.
```