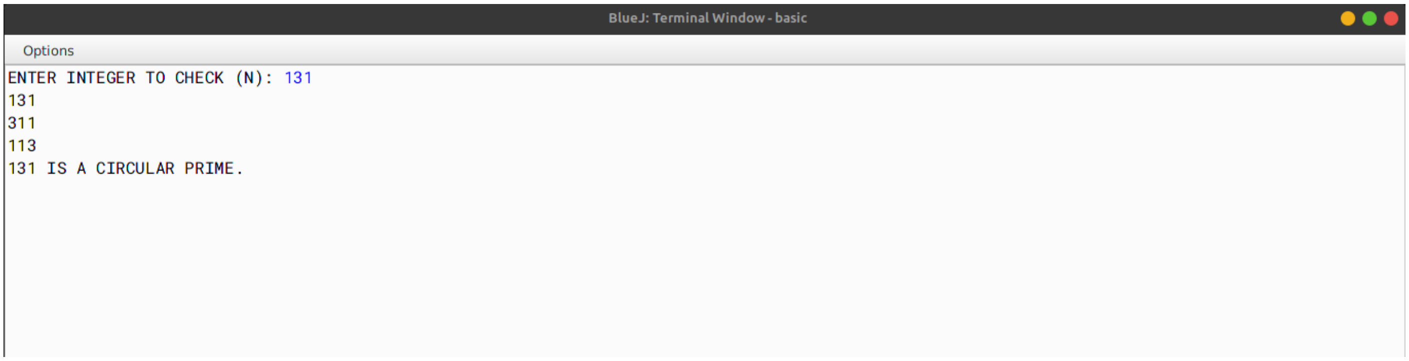
ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as `circular_prime`.
- Step-3 :- Create a method named as `is_prime` and pass a parameter `num`. In this function, check whether the number is prime or not.
- Step-4 :- Create a method named as `getDigitCount` and pass a parameter `num`. The function returns the number of digits in the number.
- Step-5 :- Create a method named as `main`. In this function, take a number as input from the user using Scanner Class. Now check for the invalid input. If the input is invalid, then print the message `Invalid Input`. Now check whether the number is prime or not. If the number is prime, then check whether the number is circular prime or not. If the number is circular prime, then print the number in the rotated forms. If the number is prime even after rotating, then print the message `Circular Prime`. If the number is not prime, then print the message `Not a Prime Number`.
- Step-6 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	n	int	To store the number
2	num	int	To store the number
3	digitCount	int	To store the number of digits in the number
4	n2	int	To store the copy of the original number
5	divisor	int	To store the remainder
6	isCircularPrime	boolean	To store the boolean value
7	t1	int	Used as a temporary variable
8	t2	int	Used as a temporary variable
9	i	int	Used as loop variable

OUTPUT



```
ENTER INTEGER TO CHECK (N): 131
131
311
113
131 IS A CIRCULAR PRIME.
```