

ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as goldbach.
- Step-3 :- Create a method named as even of type boolean and pass an integer named n as a parameter. In this function, check whether the number is even or not.
- Step-3 :- Create a method named as odd_prime of type boolean and pass an integer named n as a parameter. In this function, first call the function even and check whether the number is even or not. If the number is not even then check whether the number is prime or not.
- Step-4 :- Create a method named as main. In this function, first take an integer input from the user and store it in a variable named n. Now call the function even and check the required, then call the function odd_prime and check whether the number is prime or not. Create two for-loops (from 1 to n and from 1 to i(variable of the outer loop)), now check whether the both the loop variables is prime or not by calling the function odd_prime and passing the loop variable as parameter. If the number is prime then print the number.
- Step-5 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	n	int	To store the input number
2	i	int	To store the value of the outer loop
3	j	int	To store the value of the inner loop
4	k	int	Used as counter variable
5	c	int	Used as counter variable

OUTPUT

```
BlueJ: Terminal Window - basic
Options
INPUT:
N= 14

OUTPUT:
PRIME PAIRS ARE:
3, 11
7, 7
11, 3
```