1. Check if the given no. is even or odd

Algorithm:

1. Start the program.
2. Read / Input the number.
3. If $i \% 2 == 0$ then the number is even.
4. Otherwise the number is odd
5. Display the output.
6. Stop the program.

Flowchart:

```
                    ( Start )
                        |
                        v
              / Enter a number /
                        i
                        |
                        v
                      /\
                     /  \
                If  /    \
          Yes  <  i%2==0  >  No
              |    \    /    |
              |     \  /     |
              |      \/      |
              v              v
      / Print Even /    / Print Odd /
              |              |
              |              |
              +------>  v  <-+
                    ( Stop )
```