```
machine Bivary language
0's and t's
                   Binary number - Base 2
                  Décimal no 3 Bare 10
a 523
9×1000+5×100+2×10+3×1
 9×103+5×102+2×10+3×10
        13 => 1× 10 +3×10° Binary to decimal
        1×23+1×22+0×21+1×20=113
Compilers | Interpretus => 40011 which consent source code into machine
                                             programmell
 understandable coole
          binary woole
                              Eg: Décimal to bicaeur
  1) ASS enribly Lang (1947)
2) FORTRAN
                                 (SU) => (ODIO110),
     31 COBALT
      42 BASIC
        Lunix based syxtem
      6) C++
      7) Java
o hiver a number, cheek wheather no is even or odd?
   11 Divide the number by 2
   2) If the remainder is o then number is even else
· You have a waternelon weights wkg. Cut the waternelon to exactly
        number is odd
   2 pieces. North parte should weigh even no of kilos
                                10kg -> Possible
      tg: 12kg 3 possible

bg: 12kg 5bg 6kg

8kg 4kg
                                13 6kg 4kg
```

1) Divide W by 2 2) If the remainder & 1 4) not possible else 1> possible



