Convert integer into binary code:

Convert.toString(int num, int base)

Split on .

Math.floor(double) 🡪 returns int part as string (minus this value to get decimal part)

12.875

12 + 0.875

**12%2 = 0**

6%2 = 0

3%2 == rem 1

1%2 = **0** rem 1

^ move upwards and catalogue results so: 12 to binary == 1100

**0.875 x 2**

=1.750 1 🡪 1

0.750 x2

= 1.5 🡪 1

0.5 x 2

= 1.0 🡨 ends: 🡪 1

Move top downwards… becomes == 111

So 12.875 is 1100.111 in binary

In code:

String result = “”

While (base10Into > 0) {

results = base10Into % 2 + result

base10Into = base1Into/2

While (base10mbs !=0) {

#update base10mbs by \* 2

#spits new base10mbs 🡪 ints and dec

#base10mbs = New – Ints

#Record the results with ints

For infinite numbers: if number is returned that is identical to first number, break