GCD - ponhe integers Lit a, b be proshe stepes d = gcd(a,b) When (1) d divides a 22 d divides le da 2x db Mi) classclb = cld

 $\tilde{1}$ (3, 9)

3,(1,3) 3/3/8/9 9(10,9) 1/3 1/5

1 (3,18) = 3 (1,3) 18 (0,13), 6,9,18)

3/18/3/> 1/18, 1/2 1/2

d = gcd (a, b), I unique negers (1)

x & y s. While d = ax + by (ii) d = g(d(a,b)), $g(d(\frac{a}{d},\frac{b}{d})=1$ (iii) d= gcd(6,5) =) gcd(an, 5") =dh (iv) l.c.m (a, b) · g.c.d (a.b) = a*b 45=11 53=70] 1=91