Assignment-1 1) 1=0 while i>2. i = ; (1)as) pain + (i) Answeds (a) " = 10d" (a) boan sides. 286 (16) agol taking log on 109 (05) 11 1301 1 = 164, (n 1/25x) (PB) 1801 = 25  $1 = \frac{1}{25} \times 109_2 (n)$ 10825 (1831) = 10823 (1082) (1081). 25k = 1082 (v) 10 y 28 (10 y 20 (10 y 20 (10 y 20 )) (k) = 3104 25 (1042 (m)) (104) 0 (10gas (10ga (m)) Time complexity =

1-tuscuming H a) i= 29 while icn: 15 6 5 1 9 1 (185) Ans (1) + a169 2931c = D 10gn (29) 3 = 10gn (x) 1 = logn (29) 23 k. 85 612 11400 00 801 800 1 = 23 10gn (29) 6001 = (2001 = (2001) 65 1 = 10gn (29) (29) 10823 (1/31) = 10 023 (104n (291)  $K = \log_{23} \left( \log n \left( 291 \right) \right)$ = Time complexity = 0, (100 23 (100 n (29)) (minus and report) o = April autos

3) 1 = 1 while icn. i = 6 î 10g6(n)