Turhar Malakare Assignment # 2 1. ADD \$R1, A[\$R0], @B Computer Anchitechen 6/10/2018 Am: 1 morrory road - get first operand from memory address A+RO 2 memory read - QB, Beause indirect address 1 memory write - To store to R1 So, Total 4 memory accesses. Inital, 1000 = 18 1001 = 1 mort \$Rs, 1 # RS 1 1 1000 + 1 = 1001 = 1/given Load \$Rd, 1000 (\$Rs) # Rd = 1000 + 1 = 1001 = 1/given 1020 = 16 Code: ADDI & Rd, \$ Zeno, 1000 # Rd 6 0+1000 so, Aster excution, memory location 1001 has value to memory location 1000 has value to memory location 1000 has value to location 1000 has value to 8. One addressing machine: · Location 80 contains 90 · Location 80 contains 80 · Location 80 contains 30 @ load Immediate &0: li 20 = [20] (b) Load memory direct 20: LOAD (20) = 140] @ Load memory Indirect 30: LOAD @(30) > [30] Addicersing mode of stock code: · data newbre: asciiz "\n" ·text mains li \$90,10 # immidiate addresning Jal increasemy Registere # Target addressing # This signals the end of the program li \$10, 10 # immidiate addressing Syscall # indirect admorsing increaseing Registen: \$50, -8 # immidiate addressing addressing sw \$50,0(\$5P)# indexed addressing SW \$30,0(\$SP)# indexed add nersoing addiction of \$50, \$0,30 # immidiate additioning # register addressing FIRE \$100 print: li \$40,1 # immediate addressing syscall # indirect addressing on \$100 # negister addressing