



C-code translation Assembly 11 move zero to return Mov \$0x0, % eax hw-test2 return 0; (-Og) ret hw-test2 push /rbp // start main mov /rsp, /rbp // initialize  $\times$  and y(00) mov1 \$0x7, -0x8(7,rbp) int x = 7: mov \$0x0, -0x4 (1.0bp) int y = 0; // move x val into if-stateme mov -0x8 (>nbp), /eax // move 2 into if-statement and \$0x1, %eax if (x % 2 == 0)// Check if true / perform test /eax, /eax ine 401126 cmain+ 0x25> y=2; \$0x2, -0x4 (7-rbp) moul jmp 401/32 < main + 0x2c7 mov1 30x1, -0x4 (7.16p) / move zero to return \$0x0, %eax MOV // end main bob /upb return o; ret