_	DATE: 13-02-2025 17:45:07 USER: PRRN90 JOB: BNCHMRK PAGE	E: 000Z
-		1 1 2 THE
		1 2 3 4
	end do end subroutine compute_velocity	5 6 7
	Junction to solve for pressure (simplified Poisson equation solver) subroutine update pressure(p, dx, dy) real, dimension(:;:), intent(inout) :: P real, intent(in), :: dx, dy integer :: i,	8 9 10 11 12
	integer :: i, j	13 14 15
	Simple pressure Poisson equation () acobi iteration) do $j = 2$, $j = 1$ do $j = 2$, $j = 1$ end do end do represented the poisson equation () acobi iteration) end do end do end do end do	16 17 18 19 20
	l end do	21 22 23
	end subroutine update_pressure	24 25 26
	end program lid_driven_cavity	27 28 29
	22 23 24	30 31 32
	25 26	33 34 35
	27 28	36 37
	29 30	38 39 40
	31 32 33	41 42 43 44
	34 35	45 46 47
	36 37	48 49 50
	38 39 40	51 52 53
	41 42	54 55 56
	43 44	57 58 59
	45 46	60 61 62
	47 48 48	63 64
	49 50 51	65 66 67 68
	52 53	68 69 70 71
	54 55	72 73
	56 57	74 75 76 77 1
	58 59 60	77 78 79 80