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Question no 1

.data

.text

.globl main

main:

li \$t0,300

li \$t1,200

li \$t2,100

li \$t3,0

li \$s0,3

add \$t4,\$t0,\$t1

add \$t4,\$t4,\$t2

sw \$t4,12(\$sp)

display:

move \$a0,\$t4

li \$v0, 1

syscall

exit:

li \$v0,10

syscall

question no 2

.data

Array: .word 1, 2, 3, 4, 5

size: .word 5

FinalResult: .word 0

.text

.globl main

main:

la \$t0, Array

lw \$t1, size

li \$t2, 0

addi \$t3, \$zero, 0

FirstLoop:

beq \$t3, \$t1, EndFirstLoop

lw \$t4, 0(\$t0)

add \$t2, \$t2, \$t4

addi \$t0, \$t0, 4

addi \$t3, \$t3, 1

j FirstLoop

EndFirstLoop:

move \$a0, \$t2

move \$a1, \$t1

la \$a2, Array

jal Final_calculation

sw \$v0, FinalResult

display:

li \$v0, 1

lw \$a0, FinalResult

syscall

Exit:

li \$v0, 10

syscall

Final_calculation:

addi \$sp, \$sp, -8

sw \$ra, 0(\$sp)

sw \$s0, 4(\$sp)

move \$s0, \$a0

move \$t0, \$a2

move \$t1, \$a1

li \$t2, 0

addi \$t3, \$zero, 0

Second_Loop:

beq \$t3, \$t1, EndSecond_Loop

lw \$t4, 0(\$t0)

add \$t2, \$t2, \$t4

addi \$t0, \$t0, 4

addi \$t3, \$t3, 1

j Second_Loop

EndSecond_Loop:

move \$v0, \$s0

lw \$ra, 0(\$sp)

lw \$s0, 4(\$sp)

addi \$sp, \$sp, 8

jr \$ra