

**CODE:**

.data

physics: .ascii "Enter Physics marks:"

phymarks: .ascii "\nNew physics marks:"

chemistry: .ascii "Enter chemistry marks:"

chemarks: .ascii "\nNew chemistry marks:"

math: .ascii "Enter math marks:"

mathmarks: .ascii "\nNew math marks:"

english: .ascii "Enter english marks:"

engmarks: .ascii "\nNew Englisg marks:"

total400: .ascii "\nTotal out of 400 is:"

total800: .ascii "\nTotal out of 800 is:"

.text

#display physics

li \$v0, 4

la \$a0, physics

syscall

# get physics marks

li \$v0, 5

syscall

#move to \$t0

move \$t0, \$v0

```
#display chemistry
```

```
li $v0, 4
```

```
la $a0, chemistry
```

```
syscall
```

```
# get chemistry marks
```

```
li $v0, 5
```

```
syscall
```

```
#move to $t1
```

```
move $t1, $v0
```

```
#display math
```

```
li $v0, 4
```

```
la $a0, math
```

```
syscall
```

```
# get math marks
```

```
li $v0, 5
```

```
syscall
```

```
#move to $t2
```

```
move $t2, $v0
```

```
#display english
```

```
li $v0, 4
```

```
la $a0, english
```

```
syscall
```

```
# get english marks
```

```
li $v0, 5
```

```
syscall
```

```
#move to $t3
```

```
move $t3, $v0
```

```
#add marks in $t0
```

```
add $t4, $t0, $t1
```

```
add $t4, $t4, $t2
```

```
add $t4, $t4, $t3
```

```
#double marks and display
```

```
#physics
```

```
li $v0, 4
```

```
la $a0, phymarks
```

```
syscall
```

```
#print marks
```

```
li $v0, 1
```

```
mul $t0, $t0, 2
```

```
move $a0, $t0
```

```
syscall
```

```
#chemistry
```

```
li $v0, 4
```

```
la $a0, chemmarks
```

```
syscall
```

```
#print marks
```

```
li $v0, 1
```

```
mul $t1, $t1, 2
```

```
move $a0, $t1
```

```
syscall
```

```
#math
```

```
li $v0, 4
```

```
la $a0, mathmarks
```

```
syscall
```

```
#print marks
```

```
li $v0, 1
```

```
mul $t2, $t2, 2
```

```
move $a0, $t2
```

```
syscall
```

```
#english
```

```
li $v0, 4
```

```
la $a0, engmarks
```

```
syscall
```

```
#print marks
```

```
li $v0, 1
```

```
mul $t3, $t3, 2
```

```
move $a0, $t3
```

```
syscall
```

```
#print total out of 400
```

```
li $v0, 4
```

```
la $a0, total400
```

```
syscall
```

```
li $v0, 1
```

```
move $a0, $t4
```

```
syscall
```

```
#print total out of 800
```

```
li $v0, 4
```

```
la $a0, total800
```

```
syscall
```

```
li $v0, 1
```

```
mul $t4, $t4, 2
```

```
move $a0, $t4
```

```
syscall
```

## OUTPUT

```
Enter Physics marks:45
Enter chemistry marks:45
Enter math marks:45
Enter english marks:45

New physics marks:90
New chemistry marks:90
New math marks:90
New Englisg marks:90
Total out of 400 is:180
Total out of 800 is:360
-- program is finished running (dropped off bottom) --
```