

Tutorial 1

Introduction

CO 2206 Computer Organization

- **Task 1:** Read the attached article “[Computer Architecture is Dead, Long Live Computer Organization](#)”
- **Task 2:** Which of the following two codes will give better performance? Justify your choice. Both codes perform the same task of $ax = op1 \times op2$.

```
;ax = op1 x op2
    xor ax,ax
    mov cx,op1
mult: add ax,op2
    loop mult
.data
op1    dw 300
op2    dw 200
```

```
;ax = op1 x op2
    xor ax,ax
    mov cx,op1
    mov bx,op2
mult: add ax,bx
    loop mult
.data
op1    dw 300
op2    dw 200
```