

Mostafa Ashraf 18107667
Assignment #1

PAGE

DATE

~~Line no.~~

~~Code~~

~~1~~

~~START~~

1)

1 LDA ALPHA

2 MUL GAMMA

3 STA ALPHA

4 ALPHA RESW 1

5 BETA RESW 1

6 GAMMA RESW 1

2)

1 LDA BETA

2 DIV GAMMA

3 STA ALPHA

4 ALPHA RESW 1

5 BETA RESW 1

6 GAMMA RESW 1

3)

LDA ZERO

STA INDEX*

LOOP LDX INDEX

STA ALPHA, X

LDA INDEX

ADD THREE

STA INDEX

COMP K300

JLT LOOP

ALPHA RESW 100

K300 WORD 300

INDEX RESW 1

ZERO WORD 0

THREE WORD 3

4) OUTLPT TD ~~OUTLOOP~~ OUTDEV

JEQ

OUTLOOP

LDCH

RECORD

WD

OUTDEV

RECORD

RESB 100

OUTDEV BYTE '05'

Not sure if we
need a loop
to write 100
times

5)

5) LDA ~~ZERO~~ ONE

STA COUNTER

LOOP ~~END~~ COUNTER

TD OUTDEV

JEQ OUTLOOP

~~W/D~~

LDC4 COUNTER

WD OUTDEV

~~COMP END ADD ONE~~

LDA COUNTER ADD ONE

COUNTER RESW 1

ONE ~~ZERO~~ WORD 1

OUTDEV BYTE X'05'

END WORD 10

→
UloFill
في
الذاكرة

COMP END

JLT LOOP