Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

03

LIST OF TASKS

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| TASK NO | OBJECTIVE |
|  |  |
| 1 | Write a VVM program which take an integer input and display table of that integer. |
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Submitted On:

08/10/2019

(Date: DD/MM/YY)

# **TASK NO 1:**

Write a VVM program which take an integer input and display table of that integer.

**Solution:**

IN INPUT VALUE TO PRINT TABLE OF

STO 90 STORE INPUT AT 90

LDA 98 Load current sum (top of loop)

ADD 90 Add value to sum

STO 98 Store the sum

LDA 97 Load current index

ADD 96 Add 1 to index

STO 97 Store new index value

SUB 90 Subtract value from index

LDA 98 done looping - load the sum

OUT Display the result

BRZ 13 Jump out if index = value

BR 02 Do it again (bottom of loop)

LDA 98 done looping - load the sum

OUT Display the result

HLT Halt (end of program)

\*96 Resume loading at address 96

DAT 001 Constant for counting

DAT 000 Initial index value

## DAT 000 Initial sum

## **OUTPUT:**

