# LAB # 3

**VVM PROGRAMMING**

**VVM Programming – Instruction Set for Branch**

**OBJECTIVE**

**VVM Programs using “BRP”, “BRZ” & “BR” instructions.**

## **LAB TASK**

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

**SOLUTION:**

**in //Input value to be squared**

**sto 99 // Store input at 99**

**lda 97 // Load current sum (top of loop)**

**add 99 // Add value to sum**

**OUT**

**sto 97 // Store the sum**

**lda 98 // Load current index**

**sub 96 // Subtract value from index**

**sto 98 // Store the answer**

**brz 11 // Jump out if index = value**

**br 02 // Do it again (bottom of loop)**

**hlt // Halt (end of program)**

**// Data used by program follows**

**\*96 Resume loading at address 96**

**dat 001**

**dat 000**

**dat 010**

**OUTPUT:**