

Lab Manual – String Instructions

Important Instructions:

- **Make proper subroutines**
- **Use Delay Function (if required)**

Activity 1 [MOVS]: Write a program that copies the first 12 lines of screen (e.g. DOSBOX Introduction) in the last 12 lines.

Activity 2 [Scroll Up and Down]: Write a program that scrolls the Screen 3 rows Up and 3 rows down in an infinite loop without losing any data on the screen.

```
abc: times 32 dw 0 ; space for 32 words  
xyz: times 256 dw 0 ; space for 256 words
```

Activity 3

Write a function that compresses a string by removing consecutive occurrences of the same character.

Sample Run:

String Before Compression:

Str: "ggggdddddyyyakxxuww"

String after Compression:

Str: "gdyakxuw"