



LAB 13

Name

ROLL No.

Time Allowed: 90 min

It's an open books and open notes lab session. You CANNOT share your code with each other. You need to write code on MARS IDE, and once the tasks are completed, make sure to get them checked by the lab engineer in class timings. Any task not duly signed by the lab engineer will not be considered for grading. Upload your solution on Moodle.

Problem Statement 1 [5+5+5+5 Marks]

Implementing a MIPS assembly language program that performs string manipulation:

The program should implement the following string manipulation functions:

strLen(s): Return the length of the string s

strRev(s): Return the reverse of the string s

strCat(s1, s2): Concatenate the strings s1 and s2 and return the result

strSplit(s, "*"): Print a character entered by the user (in this case '*') after each character of the string using a loop

The program should be thoroughly tested to ensure that the functions are correct.