Lab Assignment-4

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Part1: Compare 2 strings & determine the larger string provided two ASCII char strings of the same length

START1: .ascii "C";

.ascii "A";

.ascii "T";

/*------Test Case A----------*/

/*START2: .ascii "B"

.ascii "A"

.ascii "T"

*/

/*------Test Case B----------*/

/*START2: .ascii "C"

.ascii "A"

.ascii "T"

*/

/*------Test Case C----------*/

START2: .ascii "C"

.ascii "U"

.ascii "T"

Result:

R5 is used Store result & Result of each testcase is captured as pictured & shared as below

       part2_testcaseA.png

       part2_testcaseb.png

       part2_testcaseC.png

Part 2:

To check if one string is a substring of the other.

                  If it is substring

                        store the index of first occurrence

                else

                        Reset the index value

Testcase:

     STRING: .ascii "C";

                     .ascii "S";

                     .ascii "6";

                     .ascii "6";

                     .ascii "2";

                     .ascii "0";

                     .ascii "\0";

         /*------Test Case A----------*/

         /*SUBSTR: .ascii "S";

                    .ascii "S";

                    .ascii "\0";

         */

         /*---------Test Case B-------*/

         /*SUBSTR: .ascii "6";

                    .ascii "2";

```
                                    .ascii "0";

                                    .ascii "\0";

            */

            /*------Test Case C----------*/

            SUBSTR: .ascii "6";

                                    .ascii "\0";
```

 Result:

R5 is used Store result & Result of each testcase is captured as pictured & shared as below

    part2_testcaseA.png

    part2_testcaseb.png

    part2_testcaseC.png