GRADED LABS

Submit both .asm files in seprate submissions.

Q1: Write an assembly code which prints table of 32 in video memory up to 20 elements.

```
32    x    1    =    32
32    x    2    =    64
32    x    3    =    96
32    x    4    =    128
32    x    5    =    160
32    x    6    =    192
32    x    7    =    224
32    x    8    =    256
32    x    9    =    288
32    x    10   =    320
32    x    11   =    352
32    x    12   =    384
32    x    13   =    416
32    x    14   =    448
32    x    15   =    480
32    x    16   =    512
32    x    17   =    544
32    x    18   =    576
32    x    19   =    608
32    x    20   =    640
```

Q2: Write a subroutine which takes three parameters, address of string, row and column number. Display the string in reverse order ending at that location defined by row and column number. Calculate the size of string initially.

Note: your code must contain std, cld, lodsb and stosw instructions

Formula: location = (row * 80 + col) * 2

Forexample: Let String: db ‘I am a Pakistani citizen’,0

Row: db 1

Col: db 24