

BRAC University
Dept. of Computer Science and Technology
CSE 341: Microprocessors

Lab Assignment 4

Submission Rules: Create a doc file and add all 4 tasks. Make sure each task is distinguishable from other tasks. If any code has a compilation error it will get a zero.

Task 01

Find out the sum of the sequence based on the user input. If a user provides 1 as input then you are to calculate the sum of this sequence 1+5+9+13+17. If a user provides 3 then you are to calculate the sum of this sequence 3+7+11+15+19 and display the sum

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|---|---|
| Sample Input 1 Enter a number:3 Sample Output: The sum is 35 | Sample Input 2 Enter a number:3 Sample Output: The sum is 55 |
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Task 02

Use repeated addition method to perform multiplication of the user given inputs. Inputs can range from (0 to 9 decimal numbers)

Sample Execution 1:

Enter first number: 5

Enter second number: 2

Sample Output:

10

Task 03

Take 2 inputs from the user (between 0 to 9) which will perform a lower bound and upper bound for the range of numbers. Now sum all the numbers which are divisible by 3 in between their range.

Sample Input:

Enter First Number: 1

Enter Second Number: 9

Sample Output:

Output: 18

Explanation: $(3+6+9) = 18$

Task 04

Write a program that takes a number (between 1 to 9) from the user. Then it iterates that many times to take hex numbers as input and finally displays the sum of those hex numbers in hexadecimal format.