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| **Lab No** | 04 | **Reg. No** | 224921 |
| **Student Name** | Muhammad Saad Tariq | **Section** | A |

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| Solution Task 1 |
| Code:  echo "Enter number: " read n echo "The multiplication table for $n is as follows:" for i in {0..12} do echo "$n x $i = `expr $n \\* $i`" done  Output: |

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| Solution Task 2 |
| Code:  clear sum=0 d="y"  echo "Enter first number: " read num1 echo "Enter second number: " read num2 while [ $d = "y" ] do echo "1. Addition (+)" echo "2. Subtraction (-)" echo "3. Multiplication (\*)" echo "4. Division (/)" read op case $op in 1) ans=`expr $num1 + $num2`   echo ""$ans;; 2) ans=`expr $num1 - $num2`   echo ""$ans;; 3) ans=`expr $num1 \\* $num2`   echo ""$ans;; 4) ans=$((num1 / num2))   echo ""$ans;; \*) echo "Invalid choice entered";; esac echo "Do you want to continue calculation? (y/n)" read d if [ $d = "y" ] then echo "1. Add one new operand (continue with previous answer)" echo "2. Add two new operands" read choice case $choice in 1) num1=$ans   echo "Enter operand: "   read num2;; 2) echo "Enter first number: "   read num1   echo "Enter second number: "   read num2;; esac else exit fi done  Output: |

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| Solution Task 3 |
| Code:  cat sample.txt | \ sed -e 's/<[^>]\*>//g; s/SEI/Software Engineering Institute/g; s/AI/Artificial Intelligence/g; s/DoD/Department of Defence/g; s/.\*/\L&/; s/1984/one thousand nine hundred eighty four/g; s/1000/one thousand/g' sample.txt > modified.txt  Output: |