American International University-Bangladesh

Operating Systems

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| OBE Evaluation for CO3 | | | | |
| ***Apply various shell commands and system calls to implement Shell Scripts for various fundamental task automation.*** | | | | |
| Evaluation Rubric | | | | |
| Student ID:16-32338-2 | -Problem Solution  (5) | Correctness  (5) | Efficiency  (5) | Total Obtained  Marks (15) |
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| Section:I |  |  |  |  |

Fall 2019-20

OBE Evaluation

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| 1. | Write a shell script that will take input of 2 numbers and performs arithmetic operation using function. The operation should also be input by the user.  # !/bin/bash  echo "Enter Two numbers : "  read a  read b  echo "Enter Choice :"  echo "1) +"  echo "2) -"  echo "3) \*"  echo "4) /"  read z  sum()  {  res=`echo $a + $b | bc`  echo "Result: $a "+" $b "=" $res "  }  sub()  {  res=`echo $a - $b | bc`  echo "Result: $a "-" $b "=" $res "  }  mul()  {  res=`echo $a \\* $b | bc`  echo "Result: $a "\*" $b "=" $res "  }  div()  {  res=`echo "scale=2; $a / $b" | bc`  echo "Result: $a "/" $b "=" $res "  }      case $z in  1)sum $a $b  ;;  2)  sub $a $b  ;;  3)mul $a $b  ;;  4)div $a $b  ;;  esac | 5 |
| 2. | Write a shell script to find out the length of an input string and output the string and length in a file.  #!/bin/bash  echo "Enter string "  read str  length=${#str}  echo "Length of '$str' is $length"  - | 5 |
| 3. | Write a shell script to find out the sum of series 1+2+3+………….n, where n is input by the user.  clear  echo "enter value"  read n  i=1  sum=0  while test $i -le $n  do  sum=`expr $sum + $i`  i=`expr $i + 1`  done  echo Sum of series is $sum | 5 |