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: 17-34130-1 | 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.  echo '\tEvaluation of Arithmetic expression'  echo -----------------------------------------------------  echo Enter the a value  read a  echo Enter the b value  read b  echo 1.Addition  echo 2.Subtraction  echo 3.Multiplication  echo 4.Division  echo 5.Modules  echo Enter your choice  read choice  case $choice in  1)echo Addition : $(expr $a + $b);;  2)echo Suubtraction : $(expr $a - $b);;  3)echo Multiplication : $(expr $a \\* $b);;  4)echo Division : $(expr $a / $b);;  5)echo Modules : $(expr $a % $b);;  \*)echo This is not a choice  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.  echo "Enter string "  read str  len=`echo $str | wc -c`  len=$(($len - 1))  echo "Length of string is " $len  echo $len > file | 5 |
| 3. | Write a shell script to find out the sum of series 1+2+3+………….n, where n is input by the user.  echo "enter value of n"  read n  i=1  sum=0  while test $i -le $n  do  sum=$(($sum + $i))  i=$(($i + 1))  done  echo Sum of series is $sum | 5 |