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:17-34664-2 | 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  # Take user Input  echo "Enter Two numbers : "  read a  read b  echo "Enter Choice :"  echo "1. Addition"  echo "2. Subtraction"  echo "3. Multiplication"  echo "4. Division"  read ch  case $ch in  1)res=`echo $a + $b | bc`  ;;  2)res=`echo $a - $b | bc`  ;;  3)res=`echo $a \\* $b | bc`  ;;  4)res=`echo "scale=2; $a / $b" | bc`  ;;  esac  echo "Result : $res" | 5 |
| 2. | Write a shell script to find out the length of an input string and output the string and length in a file.  s  STRLE#!/bin/bash  readNGTH=$(echo -n $s | wc -m)  echo $STRLENGTH >> length\_str.txt  echo $s >> length\_str.txt | 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 Size(N)"  read N  i=1  sum=0  echo "Enter Numbers"  while [ $i -le $N ]  do  read num #get number  sum=$((sum + num)) #sum+=num  i=$((i + 1))  done  echo $sum | 5 |