# MIT WORLD PEACE UNIVERSITY

### Operating Systems
### Second Year B. Tech, Semester 3

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# CALCULATOR USING BASH SCRIPTING

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### ASSIGNMENT 2
### PRACTICAL REPORT

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# 1 Code

```bash
#!bin/bash

echo "Welcome to Super Bashing Calculator"

what_to_do=0

while [ $what_to_do -ne 5 ]
do

echo "Enter the first number"
read var1
echo "Enter the second number"
read var2
echo "What would you like to do with these 2 numbers"
echo "1. Addition"
echo "2. Subtraction"
echo "3. Multiplication"
echo "4. Division"
echo "5. Quit"
read what_to_do
case $what_to_do in

1) echo "$var1 + $var2 =" `expr $var1 \+ $var2`;;
2) echo "$var1 - $var2 =" `expr $var1 \- $var2`;;
3) echo "$var1 * $var2 =" `expr $var1 \* $var1`;;
4) echo "$var1 / $var2 =" `expr $var1 / $var2`;;
5) echo "Thank you";;
*) echo "Try again!";;

esac

done
```

Listing 1: Assignment 8

# 2 Input and Output

```
Welcome to Super Bashing Calculator
Enter the first number
1
Enter the second number
2
What would you like to do with these 2 numbers
1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Quit
1
1 + 2 = 3
Enter the first number
2
Enter the second number
1
What would you like to do with these 2 numbers
1. Addition
```

```
20  2. Subtraction
21  3. Multiplication
22  4. Division
23  5. Quit
24  2
25  2 - 1 = 1
26  Enter the first number
27  1
28  Enter the second number
29  2
30  What would you like to do with these 2 numbers
31  1. Addition
32  2. Subtraction
33  3. Multiplication
34  4. Division
35  5. Quit
36  3
37  1 * 2 = 1
38  Enter the first number
39  4
40  Enter the second number
41  4
42  What would you like to do with these 2 numbers
43  1. Addition
44  2. Subtraction
45  3. Multiplication
46  4. Division
47  5. Quit
48  4
49  4 / 4 = 1
```

Listing 2: Input and Output.Cpp