COA – Lab
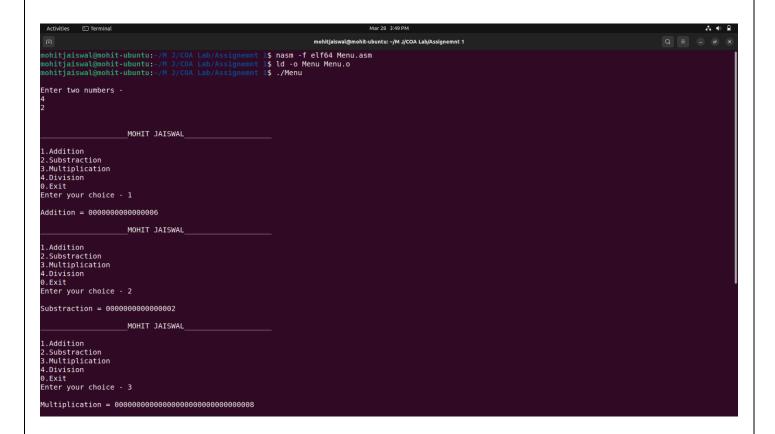
Name – Mohit Jaiswal
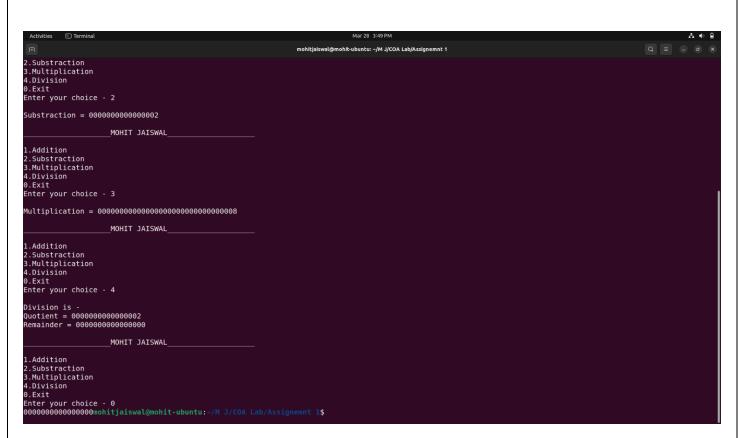
Class – A

Batch – A3

Roll No. – 57

PRN No. - 202101040048

Practical 1 – **Write a menu-driven ALP(Assembly Level Program) for arithmetic operations.**

Screenshot:


```
Activities    Terminal                                    Mar 28  3:49 PM

                              mohitjaiswal@mohit-ubuntu: ~/M J/COA Lab/Assignemnt 1

mohitjaiswal@mohit-ubuntu:~/M J/COA Lab/Assignemnt 1$ nasm -f elf64 Menu.asm
mohitjaiswal@mohit-ubuntu:~/M J/COA Lab/Assignemnt 1$ ld -o Menu Menu.o
mohitjaiswal@mohit-ubuntu:~/M J/COA Lab/Assignemnt 1$ ./Menu

Enter two numbers -
4
2


_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 1

Addition = 0000000000000006

_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 2

Substraction = 0000000000000002

_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 3

Multiplication = 00000000000000000000000000000008
```



```
Activities    Terminal                                    Mar 28  3:49 PM

                              mohitjaiswal@mohit-ubuntu: ~/M J/COA Lab/Assignemnt 1

2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 2

Substraction = 0000000000000002

_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 3

Multiplication = 00000000000000000000000000000008

_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 4

Division is -
Quotient = 0000000000000002
Remainder = 0000000000000000

_____MOHIT JAISWAL_____

1.Addition
2.Substraction
3.Multiplication
4.Division
0.Exit
Enter your choice - 0
0000000000000000mohitjaiswal@mohit-ubuntu:~/M J/COA Lab/Assignemnt 1$
```

Output:

Enter two numbers -

4

2

_____MOHIT JAISWAL_____

1.Addition

2.Substraction

3.Multiplication

4.Division

0.Exit

Enter your choice - 1

Addition = 0000000000000006

_____MOHIT JAISWAL_____

1.Addition

2.Substraction

3.Multiplication

4.Division

0.Exit

Enter your choice - 2

Substraction = 0000000000000002

_____MOHIT JAISWAL_____

1.Addition

2.Substraction

3.Multiplication

4.Division

0.Exit

Enter your choice - 3

Multiplication = 00000000000000000000000000000008

_____MOHIT JAISWAL_____

1.Addition

2.Substraction

3.Multiplication

4.Division

0.Exit

Enter your choice - 4

Division is -

Quotient = 0000000000000002

Remainder = 0000000000000000

_____MOHIT JAISWAL_____

1.Addition

2.Substraction

3.Multiplication

4.Division

0.Exit

Enter your choice - 0

0000000000000000