

PROBLEM STATEMENT:

Write a switch case driven X86/64 ALP to perform 64-bit hexadecimal arithmetic operations (+, -, *, /) using suitable macros. Define procedure for each operation.

SAMPLE OUTPUTS

Addition and Subtraction

```
Write a switch case driven X86/64 ALP to perform 64-bit hexadecimal arithmetic operations
Nikhil, 3232
```

```
Choose from the following -->
```

1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exit

```
Your Choice :: 1
```

```
Enter 1st number : A3422DECC8966525
Enter 2nd number : 34966FFE52223418
Sum is : D7D89DEB1AB8993D
```

```
Choose from the following -->
```

1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exit

```
Your Choice :: 2
```

```
Enter 1st number : 93848A2883BBC444
Enter 2nd number : 6324555AE5525522
Difference is : 306034CD9E696F22
```

Multiplication and Division

```
Choose from the following -->
```

1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exit

```
Your Choice :: 3
```

```
Enter 1st number : 0000000000000025
Enter 2nd number : 0000000000000025
Product : 00000000000000000000000000000000559
```

```
Choose from the following -->
```

1. Addition
2. Subtraction
3. Multiplication
4. Division
5. Exit

```
Your Choice :: 4
```

```
Enter the divisor : 00000003
Enter the dividend : 0000000000000017
Quotient is : 0000000000000007
Remainder is : 0000000000000002
```