



## Lab Assignment 2

1. Write a program in c to read to numbers then calculate sum, multiplication, subtraction ,division

```
void main()
{
    char yesOrNo;
    do
    {
        double num1, num2, result;
        char ope;
        printf("Enter number one:\n ");
        scanf("%d", &num1);
        printf("Enter the operation (+ , - , x , /):\n ");
        scanf("%s", &ope);
        printf("Enter number two:\n ");
        scanf("%d", &num2);

        switch(ope)
        {
            case '+': result = num1 + num2; break;
            case '-': result = num1 - num2; break;
            case 'x': result = num1 * num2; break;
            case '/': if(num1 == 0){num1 = 1;} result = num1 / num2; break;
        }
        printf("-----\n");
        printf("your result is: %d\n", result);
        printf("-----\n\n\n");
        printf("If you want to do another operation, click (y or n)? ");
        scanf("%s", &yesOrNo);
    } while (yesOrNo == 'y');
```

2. Write a program that takes a number then check if this number is positive or negative or zero

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  // Esmail Sameh Abdo
4  // 2024036792
5  //D6
6  void main()
7  {
8      char yesOrNo;
9      do
10     {
11         int number;
12         printf("Enter an number: ");
13         scanf("%d", &number);
14         if (number < 0)
15         {
16             printf("%d is Negative.\n", number);
17         }else if(number == 0){
18             printf("%d is not Negative or positive it's zero.\n", number);
19         }else
20         {
21             printf("%d is positive.\n", number);
22         }
23         printf("If you want to do another operation, click (y or n)? ");
24         scanf("%s", &yesOrNo);
25     }
26     while(yesOrNo == 'y');
27 }
```

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