

Experiment 4: Loops

4.1. WAP to enter numbers till the user wants. At the end, it should display the count of positive, negative, and Zeroes entered.

Ans-:

```
#include <stdio.h>

int main() {
    printf("Name - Aryan kamboj\nSAP ID - 590025526\ncourse - BCA\nBatch -
6");
    printf("\n-----\n");
    int year, days = 0;

    int num;
    int pos = 0, neg = 0, zero = 0;
    char choice;

    do {
        printf("Enter a number: ");
        scanf("%d", &num);

        (num > 0) ? pos++ : (num < 0) ? neg++ : zero++;

        printf("Do you want to enter another number? (y/n): ");
        scanf(" %c", &choice); // space before %c to avoid buffer issues

    } while (choice == 'y' || choice == 'Y');

    printf("\nTotal Positive numbers: %d", pos);
    printf("\nTotal Negative numbers: %d", neg);
    printf("\nTotal Zeros: %d\n", zero);

    return 0;
}
```

Output :

```
● aryankamboj@users-MacBook-Air lab_5 % cd "/Users/aryankamboj/Desktop/c_programming_theory/lab_5/" && gcc  
4.1.c -o 4.1 && "/Users/aryankamboj/Desktop/c_programming_theory/lab_5/"4.1  
Name - Aryan kamboj  
SAP ID - 590025526  
course - BCA  
Batch - 6  
-----  
Enter a number: 2  
Do you want to enter another number? (y/n): y  
Enter a number: 0  
Do you want to enter another number? (y/n): y  
Enter a number: 3  
Do you want to enter another number? (y/n): n  
Total Positive numbers: 2  
Total Negative numbers: 0  
Total Zeros: 1
```