```
Desktop — -zsh — 80×24
[imonish8@Monishsacintosh desktop % nano sum_digit.c
[imonish8@Monishsacintosh desktop % gcc sum_digit.c -o sum_digit
imonish8@Monishsacintosh desktop % ./sum_digit
Please Enter a Number to calculate the sum of digits88
Sum of Digits is: 16
imonish8@Monishsacintosh desktop % cat sum_digit.c
#include<stdio.h>
int main ()
        int num, sum = 0;
        printf("Please Enter a Number to calculate the sum of digits");
        scanf("%d",&num);
        for(;num != 0; num/= 10)
        sum += num % 10;
        printf("\n Sum of Digits is: %d",sum);
imonish8@Monishsacintosh desktop %
```

```
Desktop - -zsh - 80 x 35
imonish8@Monishsacintosh desktop % cat even_odd.c
#include<stdio.h>
                                                                                                 switchZero.c
void isEvenOdd(int n)
        if(n \% 2 == 0){
                printf("Entered Number is Even");
                                                                                                 switchZero
        else{
                printf("Entered Number is Odd");
int main()
        int num = 0;
        printf("\n Enter a number here");
        scanf("%d",&num);
        isEvenOdd(num);
imonish8@Monishsacintosh desktop % ./even_odd
Enter a number here
11
Entered Number is Odd
imonish8@Monishsacintosh desktop % ./even_odd
                                                                                                           write_file
Enter a number here
34
Entered Number is Even
```

File Handling

```
Desktop — -zsh — 80x35
imonish8@Monishsacintosh desktop % cat write_file.c
#include<stdio.h>
int main()
        // Submitted by/ Monish (DBDA)
        // Program writes and read the output to the terminal.
        FILE *file = fopen("DBDA.txt", "w");
        fprintf(file, "Data Matters, Data is everything, Data is Future.");
        fclose(file);
        file = fopen("DBDA.txt", "r");
        char c;
        while((c = fgetc(file)) != EOF)
        putchar(c);
        fclose(file);
        return 0;
imonish8@Monishsacintosh desktop % gcc write_file.c -o file
imonish8@Monishsacintosh desktop % ./file
Data Matters, Data is everything, Data is Future.
imonish8@Monishsacintosh desktop %
```

Positivity - Negativity.

```
Desktop — -zsh — 80x35
int main()
        printf("\n");
        printf("Enter a number to check Positivity, Negativity or Zero");
        int num = 0;
                                                                                                     switchzerous
        scanf("%d", &num);
        printf("\n");
        switch((num>0) - (num<0))
                case -1: printf("Number is Negative");
                                                                                                      switchZero.
                break;
                case 0: printf("Number is Zero");
                break;
                case 1: printf("Number is Positive");
                break;
        return 0;
                                                                                                         ..61 PM
imonish8@Monishsacintosh desktop % gcc switchZero.c -o switchZero
imonish8@Monishsacintosh desktop % ./switchZero
Enter a number to check Positivity, Negativity or Zero
33
Number is Positive
imonish8@Monishsacintosh desktop % ./switchZero
Enter a number to check Positivity, Negativity or Zero
-88
```

TEST SUBMITTED BY MONISH NULE