ASSIGNMENT-3

Q. Make Calculator.

```c
#include <stdio.h>
#include <math.h>

int main() {
    int a, b;
    int sum, sub, prod, div;

    printf("Enter values of a and b respectively: ");
    scanf("%d %d", &a, &b);

    sum = a + b;
    sub = a - b;
    prod = a * b;
    div = a / b;

    int operator;

    printf("Enter\n1 for sum\n2 for sub\n3 for prod\n4 for div\n5 for sqrt\n6 for log10\n7 for natural log\n");
    printf("Enter operator: ");
    scanf("%d", &operator);

    if (operator == 1) {
```

```c
        printf("%d\n", sum);
    } else if (operator == 2) {
        printf("%d\n", sub);
    } else if (operator == 3) {
        printf("%d\n", prod);
    } else if (operator == 4) {
        printf("%d\n", div);
    } else if (operator == 5) {
        printf("%f\n", sqrt(a));
    } else if (operator == 6) {
        printf("%f\n", log10(a));
    } else if (operator == 7) {
        printf("%f\n", log(a));
    } else {
        printf("Invalid operator\n");
    }

    return 0;
}
```