

Simple Calculator.

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

```
int main()
{
```

```
    int a, b, ch = 1;
    while (ch != 0)
```

```
    {
        printf("||t||t Simple Calculator ");
        printf("\n ||t 1|| Addition ||t 2|| Subtraction
                ||t 3|| Multiplication ||t 4|| Division
                ||t 5|| If Equal ||t 6|| Not Equal
                ||t 7|| Greater ||t 8|| Lesser
                ||t 9|| Modulus ||t 10|| Exponent
                ||t 0|| Exit |");
```

```
        scanf("%d", &ch);
```

```
printf
```

```
        if (ch != 0)
```

```
        {
            printf("Enter values for a and b.");
            scanf("%d %d", &a, &b);
```

```
        }
```

```
        switch (ch)
```

```
        {
```

```
            case 1: printf("%d", a + b);
                    break;
```

```
            case 2: printf("%d", a - b);
                    break;
```

```
            case 3: printf("%d", a * b);
                    break;
```

```
case 4: printf("%d", a/b);  
    break;  
case 5: printf("%s", (a==b)? "Equal": "Not Equal");  
    break;  
case 6: printf("%s", (a!=b)? "Not Equal": "Equal");  
    break;  
case 7: printf("%d", (a>b)? a: b);  
    break;  
case 8: printf("%d", (a<b)? a: b);  
    break;  
case 9: printf("%d", a%b);  
    break;  
case 10: ;  
    double ans = pow(a, b);  
    printf("%lf", ans);  
    break;  
case 0: printf("Thank you");  
    break;
```

```
}  
}  
}
```