main.c X

```c
1    #include <stdio.h>
2    #include <stdlib.h>
3    #include<stdbool.h>
4    int main()
5    {int a,b;
6    int ch;
7    int result;
8    while(ch!=0)
9    {
10       printf("\n\n");
11   printf("please enter the 1st no:");
12   scanf("%d",&a);
13   printf("please enter the 2nd no:");
14   scanf("%d",&b);
15   printf("Options are\n 1.Addition:\n 2.Subtraction: \n 3.Multiplication: \n 4.Division: \n 5.Right shift: \n 6.left shift: \n 7.Greater than or equal to: \n
16   printf("Please enter your choice:");
17       scanf("%d",&ch);
18       switch(ch)
19       {
20            case 0:
21             exit(0);
22
23            case 1:
24            printf("Addition: ");
25            result=a+b;
26            printf("%d",result);
27            break;
28            case 2:
29            printf("Subtraction: ");
30            result=a-b;
31            printf("%d",result);
```

C:\Users\admin\Documents\simple_calculator\main.c   C/C++   Windows (CR+LF)   WINDOWS-1252   Line 1, Col 1, Pos 0   Insert   Read/Write   default

```c
        printf("%d",result);
        break;
        case 3:
        printf("Multiplication: ");
        result=a*b;
          printf("%d",result);
        break;
      case 4:
       printf("Division: ");
       result=a/b;
       printf("%d",result);
        break;
     case 5:

       printf("Right shift:");
       result=a>>b;
       printf("%d",result);
       break;
    case 6:
      printf("left shift:");
      result=a<<b;
      printf("%d",result);
      break;
    case 7:
        printf("Greater than or equal to:");
        if(a>=b)
        printf("true");
        else
            printf("false");
        break;
    case 8:
```

```c
            else
                printf("false");
            break;
        case 8:
            printf("Lesser than or equal to:");
            if(a<=b)
            printf("true");
            else
            printf("false");
            break;
        case 9:
            printf("equal to:");
            if(a==b)
            printf("true");
            else
                printf("false");
            break;
        case 10:
            printf("Not equal to:");
            if(a!=b)
            printf("true");
            else
                printf("false");
            break;
        default:
        printf("You have entered an invalid choice");
    }

    return 0;
}
```

```
C:\Users\admin\Documents\simple_calculator\bin\Debug\simple_calculator.exe                     —     ⊔    X

please enter the 1st no:2
please enter the 2nd no:3
Options are
 1.Addition:
 2.Subtraction:
 3.Multiplication:
 4.Division:
 5.Right shift:
 6.left shift:
 7.Greater than or equal to:
 8.Lesser than or equal to:
 9.equal to:
 10.Not equal to:
Press 0 to exit
Please enter your choice:1
Addition: 5

please enter the 1st no:
```