

Case 's':

```
printf("square of %lf is %lf and square root of %lf  
is %lf", first, sqrt(first), second, sqrt(second));
```

```
break;
```

Case 'l':

```
printf("logarithm of %lf is %lf and logarithm of %lf  
is %lf", first, log(first), second, log(second));
```

```
break;
```

Case 'g':

```
{  
    if (first > second)
```

```
{  
        printf("%lf is greater than %lf", first, second);  
    }
```

```
else
```

```
{  
        printf("%lf is not greater than %lf", first, second);  
    } break;
```

```
}
```

Case 'a':

```
{  
    if (first > second)
```

```
{  
        printf("%lf is lesser than %lf", first, second);  
    }
```

```
else
```

```
{  
        printf("%lf is not lesser than %lf", first, second);  
    }
```

```
break;
```

```
}
```

case 'e' :

```
{  
    if (first == second)  
    {  
        printf (" %lf is equal to %lf", first, second);  
    }  
    else  
    {  
        printf (" %lf is not equal to %lf", first, second);  
    }  
    break;  
}
```

default:

```
    printf (" Error! operator is not correct ");  
}  
printf (" In In To exit press 2 In else press any  
character ");  
scanf ("%d", & command);  
}
```

return 0;

```
}
```

```

1  #include <stdio.h>
   #include <math.h>
   int main()
   {
       char operator;
       double first, second;
       int command;

       while (command != 2)
       {
           printf("\n\n Enter an operator (+, -, *, /, s for square root,
           g to check greater, l to find log, e to check
           equality :)\n");
           scanf ("%c", &operator);
           printf ("Enter two operands :");
           scanf ("%lf %lf", &first, &second);

           switch (operator)
           {
               case '+':
                   printf ("%lf + %lf = %lf", first, second, first+second);
                   break;
               case '-':
                   printf ("%lf - %lf = %lf", first, second, first-second);
                   break;
               case '*':
                   printf ("%lf * %lf = %lf", first, second, first * second);
                   break;
               case '/':
                   printf ("%lf / %lf = %lf", first, second, first/second);
                   break;
           }
       }
   }

```