TUTORIALS - 4

(MODULE - 2)

1. C Program to Add Two Complex Numbers

```
moin.c

| Comparison | Comparis
```

2. C Program To Find Simple Interest

3. Write a C program to calculate Compound Interest. use pow function.

```
main.c

1 //TUTORIALS - 4, MODULE - 2
2 //QN 3
3 //3. Write a C program to calculate Compound Interest.use pow function.

4
5 * /*A = P(1 + r/n)^nt
6 A = represents the final amount
7 P = original principal amount
8 r = is the interest rate over a given period
9 n = represents the number of times the interest rate is applied over time

10 t = Time in Years*/
11
```

```
main.c
                                                                       -0-
                                                                               Save
                                                                                          Run
                                                                                                    Output
                                                                                                   Enter the principal:1000
                                                                                                  Enter the rate:5
                                                                                                  Enter the time:2
   int main()
                                                                                                  compound_interest = 102.50
        float principal, rate, time, compound_interest;
        printf("Enter the principal:");
        scanf("%f", &principal);
20
        printf("Enter the rate:");
        scanf("%f", &rate);
        printf("Enter the time:");
25
26
29
        compound_interest = principal * (pow((1 + rate / 100), time) - 1);
        printf("compound_interest = %0.2f\n", compound_interest);
```

4. Write a program to Find all the roots of a quadratic equation in C. check for all three conditions.