

main.c



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Run

Output

```
1 #include <stdio.h>
2 int main()
3 {
4     float hours_worked, hourly_pay_rate, weekly_salary;
5     printf("Enter the number of hours worked in a week:");
6     scanf("%f", &hours_worked);
7     printf("Enter the hourly pay rate:");
8     scanf("%f", &hourly_pay_rate);
9     weekly_salary = hours_worked * hourly_pay_rate;
10    printf("The weekly salary is: %.2f\n", weekly_salary);
11    return 0;
12 }
```

Enter the number of hours worked in a week:40  
Enter the hourly pay rate:15  
The weekly salary is:600.00

=== Code Execution Successful ===

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```
1  #include <stdio.h>
2  int main()
3  {
4      float start_time,end_time,elapsed_time;
5      printf("Enter the start time(in seconds):");
6      scanf("%f",&start_time);
7      printf("Enter the end time(in seconds):");
8      scanf("%f",&end_time);
9      if (end_time>=start_time)
10     {
11         elapsed_time=end_time-start_time;
12     }
13     else
14     {
15         printf("End time cannot br earlier than start time.\n");
16         return 1;
17     }
18     printf("The total elapsed time is:%.2f seconds\n",elapsed_time);
19     return 0;
20 }
```

Enter the start time(in seconds):5.5  
Enter the end time(in seconds):15.2  
The total elapsed time is:9.70 seconds

=== Code Execution Successful ===

main.c				Share	Run	Output
<pre>1 #include &lt;stdio.h&gt; 2 #define BREAKERAGE_RATE 0.005 3 int main() 4 { 5     int number_of_shares; 6     float share_price,total_cost,brokerage; 7     printf("Enter the number of shares:"); 8     scanf("%d",&amp;number_of_shares); 9     printf("Enter the share price(per share):"); 10    scanf("%f",&amp;share_price); 11    brokerage=number_of_shares*share_price*BREAKERAGE_RATE; 12    total_cost=number_of_shares*share_price+brokerage; 13    printf("Brokerage charges:%.2f\n",brokerage); 14    printf("Total cost of buying shares:%.2f\n",total_cost); 15    return 0; 16 }</pre>						<pre>Enter the number of shares:100 Enter the share price(per share):50 Brokerage charges:25.00 Total cost of buying shares:5025.00  === Code Execution Successful ===</pre>



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Output

```
1 #include <stdio.h>
2 #include <math.h>
3 #define INTEREST_RATE 0.05
4 int main()
5 {
6     float principal,time,amount,compound_interest;
7     printf("Enter the Principal Amount:");
8     scanf("%f",&principal);
9     printf("Enter the time in years:");
10    scanf("%f",&time);
11    amount=principal*pow((1+INTEREST_RATE),time);
12    compound_interest=amount-principal;
13    printf("The amount after %.2f years is:%.2f\n",time,amount);
14    printf("The compound interest is:%.2f\n",compound_interest);
15    return 0;
16 }
```

Enter the Principal Amount:1000  
Enter the time in years:5  
The amount after 5.00 years is:1276.28  
The compound interest is:276.28

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main.c



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Output

```
1  #include <stdio.h>
2  #define EXCHANGE_RATE 0.85
3  int main()
4  {
5      float amount_usd, amount_other_currency;
6      printf("Enter the amount in usd:");
7      scanf("%f", &amount_usd);
8      amount_other_currency = amount_usd * EXCHANGE_RATE;
9      printf("The Amount in the Other Currency is: %.2f\n",
10             amount_other_currency);
11     return 0;
12 }
```

Enter the amount in usd:100  
The Amount in the Other Currency is:85.00

=== Code Execution Successful ===

main.c



Run

Output

```
1 #include <stdio.h>
2 int main()
3 {
4     int classes_attended,total_classes;
5     float attendance_percentage;
6     printf("Enter the number of classes attended:");
7     scanf("%d",&classes_attended);
8     printf("Enter the total number of classes:");
9     scanf("%d",&total_classes);
10    if(total_classes !=0)
11    {
12        attendance_percentage=((float)classes_attended/total_classes)*100
13        ;
14        printf("Your Attendance Percentage is:%.2f%%\n"
15            ,attendance_percentage);
16    }
17    else
18    {
19        printf("Total Classes cannot be Zero.\n");
20    }
21    return 0;
22 }
```

Enter the number of classes attended:30  
Enter the total number of classes:40  
Your Attendance Percentage is:75.00%

=== Code Execution Successful ===



main.c



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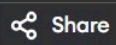
Output

```
1 #include <stdio.h>
2 #define DISCOUNT_RATE 0.20
3 int main()
4 {
5     float product_price,discouted_price;
6     printf("Enter the product price:");
7     scanf("%f",&product_price);
8     discounted_price=product_price-(product_price*DISCOUNT_RATE);
9     printf("The Discounted Price:%.2f\n",discounted_price);
10    return 0;
11 }
```

Enter the product price:500  
The Discounted Price:400.00

=== Code Execution Successful ===

main.c



Run

Output

```
1  #include <stdio.h>
2  int main()
3  {
4      float weight,height,bmi;
5      printf("Enter your weight in Kilograms:");
6      scanf("%f",&weight);
7      printf("Enter your height in meters:");
8      scanf("%f",&height);
9      bmi=weight/(height*height);
10     printf("Your BMI is:%.2f\n",bmi);
11     return 0;
12 }
```

Enter your weight in Kilograms:81  
Enter your height in meters:1.72  
Your BMI is:27.38

=== Code Execution Successful ===



main.c				Share	Run	Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() 3 { 4     float fuel_consumed,distance_traveled,fuel_efficiency; 5     printf("Enter the Amount of fuel Consumed(in litres):"); 6     scanf("%f",&amp;fuel_consumed); 7     printf("Enter the distance traveled(in Kilometers):"); 8     scanf("%f",&amp;distance_traveled); 9     if(fuel_consumed !=0) 10    { 11        fuel_efficiency=distance_traveled/fuel_consumed; 12        printf("The Fuel Efficiency is:%.2fkmpl\n",fuel_efficiency); 13    } 14    else 15    { 16        printf("Fuel Consumed Cannot be Zero.\n"); 17    } 18    return 0; 19 }</pre>						<pre>Enter the Amount of fuel Consumed(in litres):10 Enter the distance traveled(in Kilometers):150 The Fuel Efficiency is:15.00kmpl  === Code Execution Successful ===</pre>

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Run

Output

```
1 #include <stdio.h>
2 int main()
3 {
4     float marks;
5     char grade;
6     printf("Enter the students marks:");
7     scanf("%f",&marks);
8     if(marks>=90 && marks<=100)
9     {
10         grade='A';
11     }
12     else if(marks>=80 && marks<=90)
13     {
14         grade='B';
15     }
16     else if(marks>=70 && marks<=80)
17     {
18         grade='C';
19     }
20     else if(marks>=60 && marks<=70)
21     {
22         grade='D';
23     }
24     else if(marks>=0 && marks<=60)
25     {
26         grade='F';
27     }
28     else
29     {
```

Enter the students marks:85  
The grade is:B

=== Code Execution Successful ===