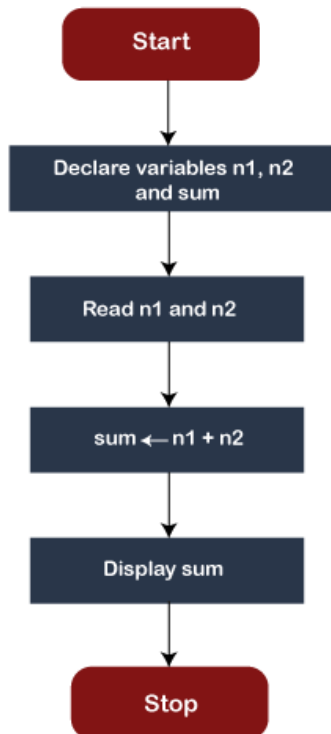


1. c program for adding two numbers entered by the user:

Flowchart:



Code:

```
#include <stdio.h>
int main() {
    double num1, num2, sum;
    // Input the first number
    printf("Enter the first number: ");
    scanf("%lf", &num1);
    // Input the second number
    printf("Enter the second number: ");
    scanf("%lf", &num2);
    // Add the numbers
    sum = num1 + num2;
```

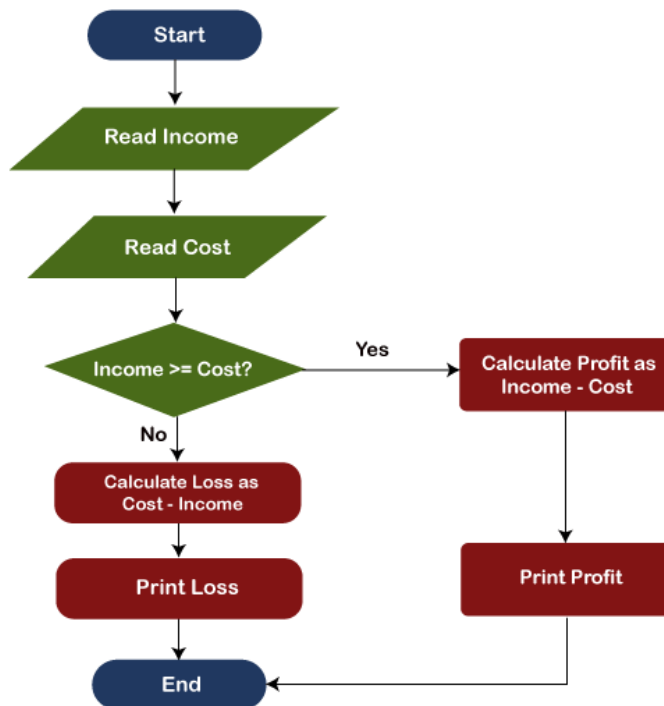
```

// Display the result
printf("The sum of %.2lf and %.2lf is %.2lf\n", num1, num2, sum);
return 0;
}

```

2. C program for calculating the profit and loss according to the value entered by the user.

Flowchart:



Code:

```

#include <stdio.h>
int main() {
    double costPrice, sellingPrice, profitOrLoss;
    // Input the cost price
    printf("Enter the cost price: ");
    scanf("%lf", &costPrice);
    // Input the selling price
    printf("Enter the selling price: ");
    scanf("%lf", &sellingPrice);

```

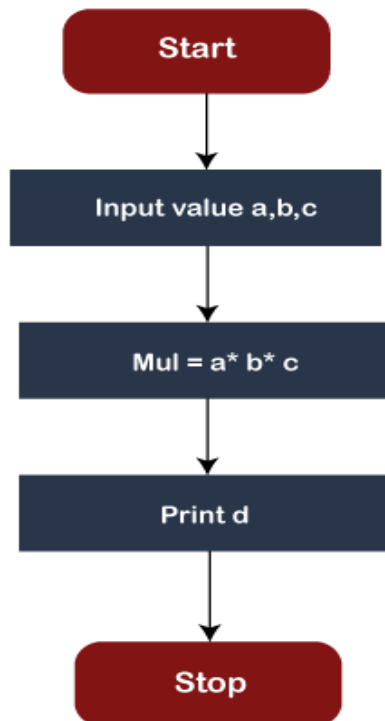
```

// Calculate profit or loss
profitOrLoss = sellingPrice - costPrice;
if (profitOrLoss > 0) {
    printf("You made a profit of %.2lf\n", profitOrLoss);
} else if (profitOrLoss < 0) {
    printf("You incurred a loss of %.2lf\n", -profitOrLoss);
} else {
    printf("You neither made a profit nor incurred a loss\n");
}
return 0;
}

```

3. C program for multiplication of three numbers entered by the user.

Flowchart:



Code:

```

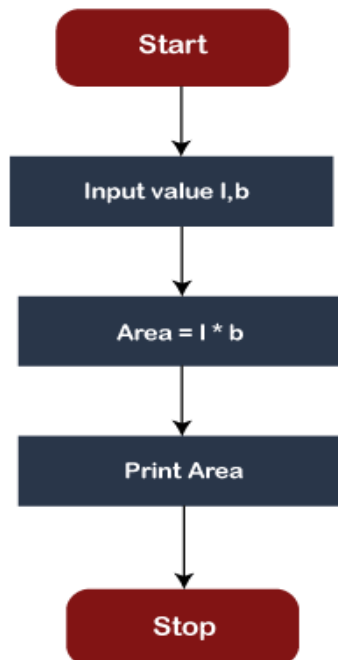
#include <stdio.h>
int main() {

```

```
double num1, num2, num3, result;  
// Input the first number  
printf("Enter the first number: ");  
scanf("%lf", &num1);  
// Input the second number  
printf("Enter the second number: ");  
scanf("%lf", &num2);  
// Input the third number  
printf("Enter the third number: ");  
scanf("%lf", &num3);  
// Calculate the result  
result = num1 * num2 * num3;  
// Display the result  
printf("The result of %.2lf * %.2lf * %.2lf is %.2lf\n", num1, num2, num3, result);  
return 0;  
}
```

4. C program for calculating the area of a rectangle.

Flowchart:

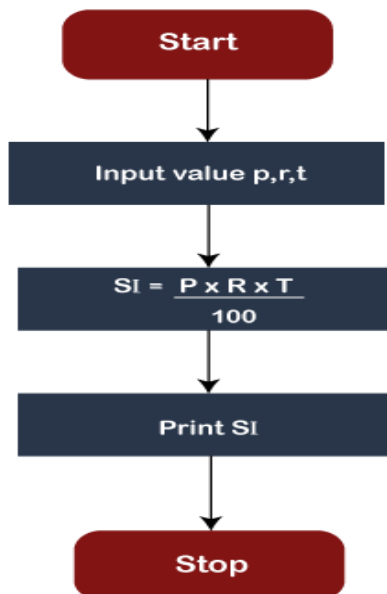


Code:

```
#include <stdio.h>
int main() {
    double length, width, area;
    // Input the length of the rectangle
    printf("Enter the length of the rectangle: ");
    scanf("%lf", &length);
    // Input the width of the rectangle
    printf("Enter the width of the rectangle: ");
    scanf("%lf", &width);
    // Calculate the area of the rectangle
    area = length * width;
    // Display the area
    printf("The area of the rectangle is %.2lf square units.\n", area);
    return 0;
}
```

5. C program for calculating the Simple Interest according to the value entered by the user.

Flowchart:



Code:

```
#include <stdio.h>
int main() {
    double principal, rate, time, simpleInterest;
    // Input the principal amount
    printf("Enter the principal amount: ");
    scanf("%lf", &principal);
    // Input the rate of interest
    printf("Enter the rate of interest (in percentage): ");
    scanf("%lf", &rate);
    // Input the time period (in years)
    printf("Enter the time period (in years): ");
    scanf("%lf", &time);
    // Calculate the simple interest
    simpleInterest = (principal * rate * time) / 100.0;
    // Display the simple interest
    printf("The simple interest is %.2lf\n", simpleInterest);
    return 0;
}
```