

computer programing

MESHW PATEL

August 2025

1 Add two numbers.

```
#include<stdio.h>

int main()
{
    int a,b, sum;

    printf("enter two numbers: ");

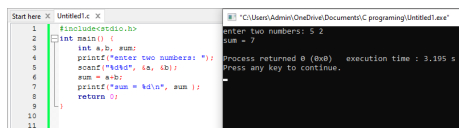
    scanf("%d%d", &a, &b);

    sum = a+b;

    printf("sum = %d\n", sum );

    return 0;
```

2 output



The screenshot shows a code editor window titled 'Untitled1.c' with the following C code:

```
1 #include<stdio.h>
2 int main() {
3     int a,b, sum;
4     printf("enter two numbers: ");
5     scanf("%d%d", &a, &b);
6     sum = a+b;
7     printf("sum = %d\n", sum );
8     return 0;
9 }
10
11
```

Next to it is a terminal window titled 'C:\Users\Admin\OneDrive\Documents\C programming\Untitled1.exe' showing the execution output:

```
enter two numbers: 5 2
sum = 7
Process returned 0 (0x0)   execution time : 3.195 s
Press any key to continue.
```

Figure 1:

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1 Subtract two numbers

```
#include<stdio.h>

int main() int a,b, subtract;

    printf("enter two numbers");

    scanf("%d %d", &a ,&b);

subtract = a-b;

    printf("subtract = %d\n", subtract);

return 0;
```

2 output

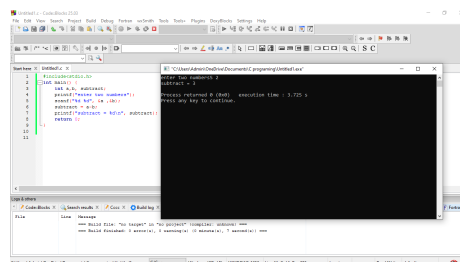


Figure 1:

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1 Multiply two numbers

```
#include<stdio.h>

int main()
    int x,y, multiply;

    printf("enetr two numbers");

    scanf("%d %d", &x, &y);

    multiply = x*y;

    printf("multiply= %d\n",multiply);

return 0;
```

2 output

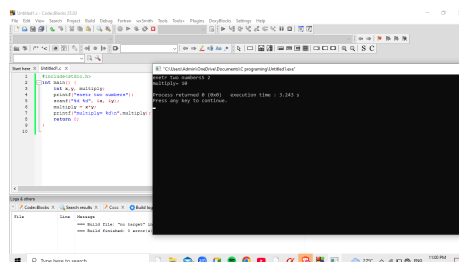


Figure 1:

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1 Divide two numbers.

```
#include<stdio.h>

int main()
    int hours; int minutes;

    printf("Enter the number of hours: ");

    scanf("%d", &hours);

    minutes = hours * 60;

    printf(" conversation of given hours into minutes is %d \n",minutes);

    return 0;
```

2 output

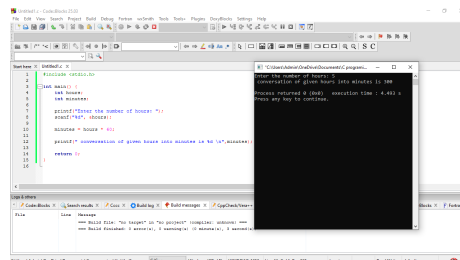


Figure 1:

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1 Perform all four operations

```
#include<stdio.h>

int main()
int a,b, sum,subtract,multiply; float divide;

printf("enter two numbers");

scanf("%d %d", &a , &b);

sum = a+b; subtract = a-b; multiply = a*b; divide = a/b;

printf("sum = %d\n",sum);

printf("subtract = %d\n",subtract);

printf("multiply = %d\n",multiply);

printf("divide = %.2f\n",divide);

return 0;
```

2 output

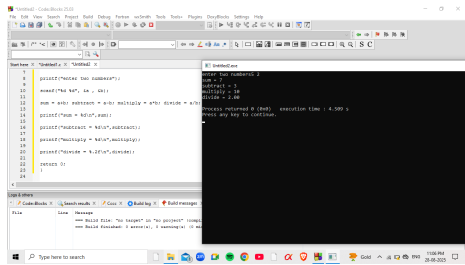


Figure 1:

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1 convert minutes into hours

```
#include<stdio.h>

int main()
{
    int hours; int minutes;
    printf("Enter the number of hours: "); scanf("%d", &hours);
    minutes = hours * 60;
    printf("conversion of given hours into minutes is %d\n", minutes);
    return 0;
}
```

2 output

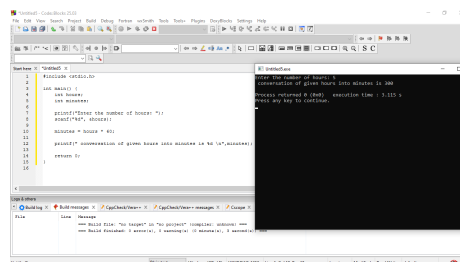


Figure 1: Enter Caption

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1 Convert minutes into hours

```
#include<stdio.h>

int main()
{
    int hours; int minutes;

    printf("Enter the number of minutes: ");

    scanf("%d", &minutes);

    hours = minutes / 60;

    printf("conversion of given minutes into hours is %d \n",hours);

    return 0;
}
```

2 output

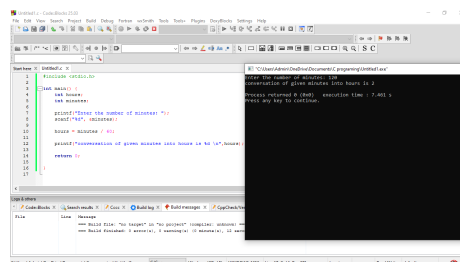


Figure 1: Enter Caption

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1 Convert dollars into Rs. ($1 = 48Rs$).

```
#include<stdio.h>

int main() int dollars, rupees;

printf("Enter amount in Dollars: ");

scanf("%d", &dollars);

rupees = dollars * 48;

printf("Rupees = %.2d\n", rupees);

return 0;
```

2 output

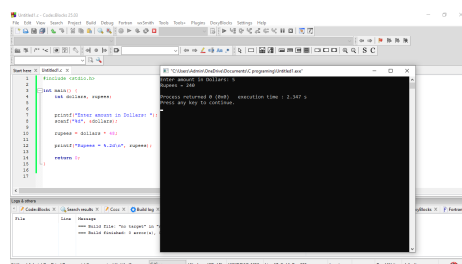


Figure 1:

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1 Convert Rs. into dollars

```
#include<stdio.h>

int main() int rupees,dollar;

printf("enter the amount of rupees: ");

scanf("%d", &rupees);

dollar = rupees / 48;

printf("dollar converted from rupees is %.2d\n", dollar);

return 0 ;
```

2 output

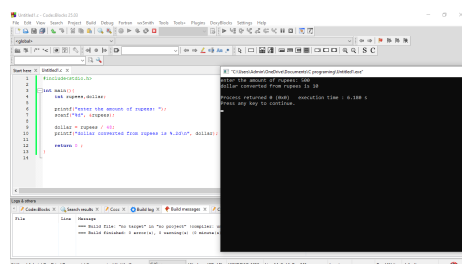
A screenshot of a C++ IDE window titled 'Untitled1 - CodeBlocks13.12'. The editor shows a C++ program for converting rupees to dollars. The code includes `#include<stdio.h>`, defines `int main()`, declares `int rupees, dollar;`, prompts the user to enter the amount of rupees, reads the input using `scanf`, calculates the dollar amount by dividing rupees by 48, and prints the result using `printf` with the format `%.2d`. The program ends with `return 0 ;`. The IDE's output window on the right shows the execution results: 'Enter the amount of rupees: 100', 'Dollar converted from rupees is: 2.08', and 'Process returned 0 (0x0), execution time: 0.000 s'. The status bar at the bottom indicates the file path, compiler (GCC), and window state.

Figure 1:

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1 Convert dollars into pounds ($1 = 48Rs$, $1pound = 70Rs$)

```
#include<stdio.h>

int main() float dollars,pounds,rupees;

printf("enter the amount of dollars: ");

scanf("%f", &dollars);

rupees = dollars * 48; pounds = rupees / 70;

printf("converted pounds= %.2f\n", pounds);

return 0 ;
```

2 output

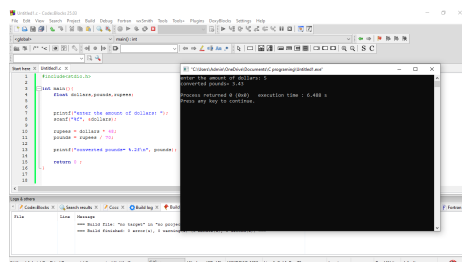


Figure 1:

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1 Convert grams into kg

```
#include<stdio.h>

int main() float grams, kilograms;

printf("Enter the weight in grams: ");

scanf("%f", &grams);

kilograms = grams / 1000;

printf("Convert of grams = %f kilograms.\n", kilograms);

return 0;
```

2 output

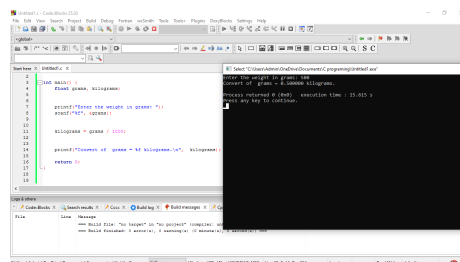


Figure 1:

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1 Convert kg into grams

```
#include<stdio.h>
```

```
int main()  
{  
    float grams, kilograms;  
    printf("Enter the weight in kilograms: "); scanf("%f", &kilograms);  
    grams = kilograms * 1000;  
    printf("Convert of kilograms= %f", grams);  
    return 0;  
}
```

2 output

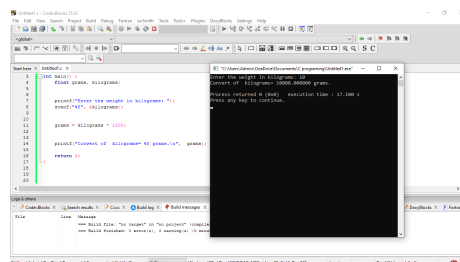


Figure 1:

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1 Convert bytes into KB, MB, GB

```
#include<stdio.h>

int main()
float bytes,KB,MB,GB;

printf("enter the number of bytes:");

scanf("%f", &bytes);

KB = bytes /1000; MB = bytes /1000000; GB = bytes /1000000000;

printf("given bytes converted into Kb %f\n ", KB);

printf("given bytes converted into Mb %f\n ", MB);
```

2 output

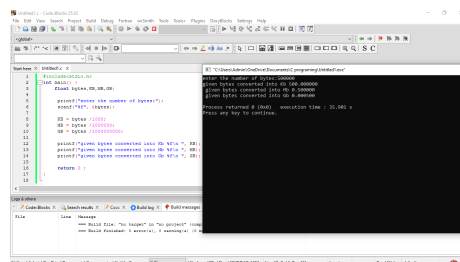


Figure 1:

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1 Celsius to Fahrenheit

```
#include<stdio.h>

int main()
float celsius,fahrenheit;

printf("enter the celsius:");

scanf("%f", &celsius);

fahrenheit = (celsius*9/5) +32 ;

printf("celsius converted =%f\n fahrenheit", fahrenheit);

return 0 ;
```

2 output

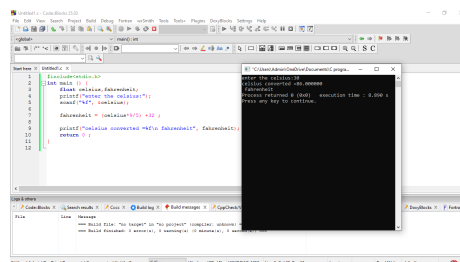


Figure 1:

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1 Fahrenheit to Celsius

```
#include<stdio.h>

float fahrenheit,celsius;

printf("enter the fahrenheit:");

scanf("%f", &fahrenheit);

celsius = (fahrenheit-32) * 5/9;

printf("convert celsius to fahrenheit is %f\n", celsius);

return 0;
```

2 output

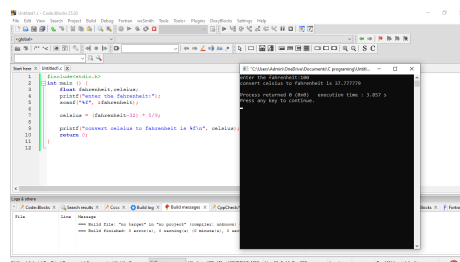


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1 Calculate interest

```
#include<stdio.h>

int principal,rate,time,simpleintrest;

printf("enter the principlal value:");

scanf("%d",&principal);

printf("enter the rate of intrest:");

scanf("%d",&rate);

printf("enter time:");

scanf("%d",&time);

simpleintrest=(principal*rate*time)/100;

printf("simple intrest = %d\n",simpleintrest);

return 0;
```

2 output

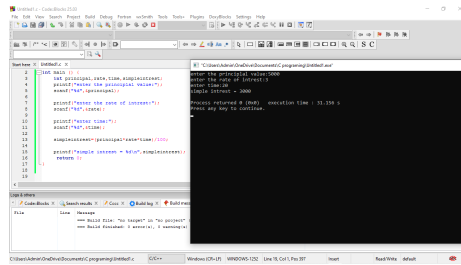


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1 Area perimeter of a square

```
#include<stdio.h>

float length, area, perimeter;

printf("Enter the length of the square's side: ");

scanf("%f", &length);

area = length * length; perimeter = 4 * length;

printf("Area of the square = %f\n", area);

printf("Perimeter of the square = %f\n",perimeter);

return 0;
```

2 output

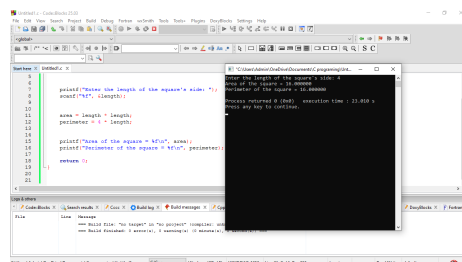


Figure 1:

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1 Area perimeter of a rectangle

```
#include<stdio.h>

float length, breadth, area, perimeter;

printf("Enter the length of the rectangle: ");

scanf("%f", &length);

printf("Enter the breadth of the rectangle: ");

scanf("%f", &breadth);

area = length * breadth; perimeter = 2 * (length + breadth);

printf("Area of rectangle = %.2f\n", area);

printf("Perimeter of rectangle = %.2f\n",perimeter);

return 0;
```

2 output

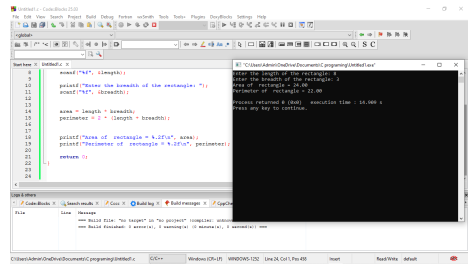


Figure 1:

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1 Area of a circle

```
#include<stdio.h>

float radius, area;

printf("Enter the radius of the circle ");

scanf("%f", &radius);

area = (22.0 / 7.0) * radius * radius;

printf("Area of the circle = %.2f\n", area);

return 0;
```

2 output

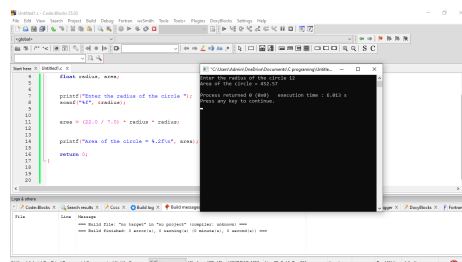
A screenshot of a C++ IDE (Visual Studio Code) showing the code from the previous block. The code is in a file named 'main.cpp'. The output window shows the execution results: 'Enter the radius of the circle: 7.0' followed by 'Area of the circle = 153.94'. The status bar at the bottom indicates the file is 'main.cpp' and the editor is in 'C++' mode.

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1 Area of a triangle

```
#include<stdio.h>

float base, height, area;

printf("Enter the base of the triangle: ");

scanf("%f", &base);

printf("Enter the height of the triangle: ");

scanf("%f", &height);

area = base * height * 1/2;

printf("Area of triangle = %.2f\n", area);

return 0;
```

2 output

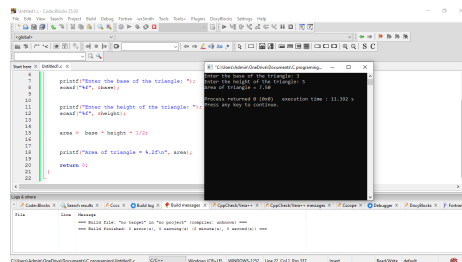


Figure 1:

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1 Net salary

```
#include<stdio.h>

int main()

float gross_salary, allowance, deduction, net_salary;

printf("Enter the gross salary: ");

scanf("%f", &gross_salary);

allowance = gross_salary * 10/100;
deduction = gross_salary * 3/100;
net_salary = gross_salary + allowance - deduction;
printf("Total Salary = %f\n", net_salary);

return 0;
```

2 output

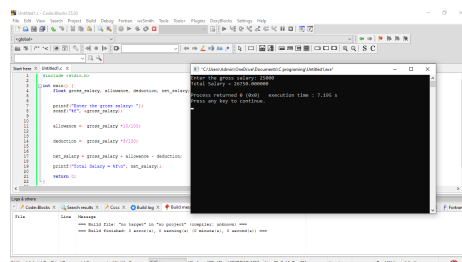


Figure 1:

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1 total sales

```
#include<stdio.h>

int main()

float gross_sales,discount,net_sales;


printf("enter the gross sales");

scanf("%f", &gross_sales);

discount= gross_sales*0.10;

net_sales = gross_sales - discount;

printf("final total sale = %.2f\n",net_sales);

return 0;
```

2 output

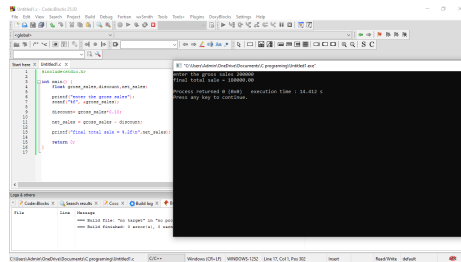


Figure 1:

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1 Average total of three subjects

```
#include<stdio.h>

int main() float sub1, sub2, sub3, total, average;

printf("Enter marks of Subject 1: ");

scanf("%f", &sub1);

printf("Enter marks of Subject 2: ");

scanf("%f", &sub2);

printf("Enter marks of Subject 3: ");

scanf("%f", &sub3);

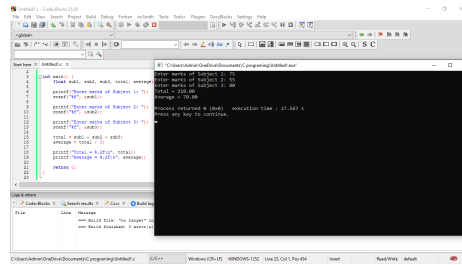
total = sub1 + sub2 + sub3; average = total / 3;

printf("Total = %.2f\n", total);

printf("Average = %.2f\n", average);

return 0;
```

2 output



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1 Swap two values

```
#include<stdio.h>

int main()
int a, b, temp;

printf("Enter first number (a): ");

scanf("%d", &a);

printf("Enter second number (b): ");

scanf("%d", &b);

temp = a; a = b; b = temp;

printf("After swapping a&b:\n");

printf("a = %d\n", a);

printf("b = %d\n", b);

return 0;
```

2 output

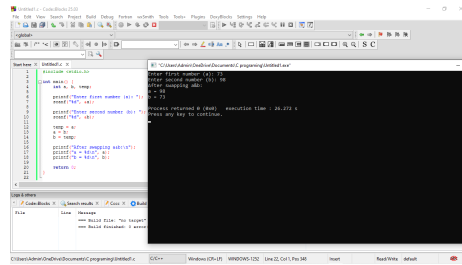


Figure 1: