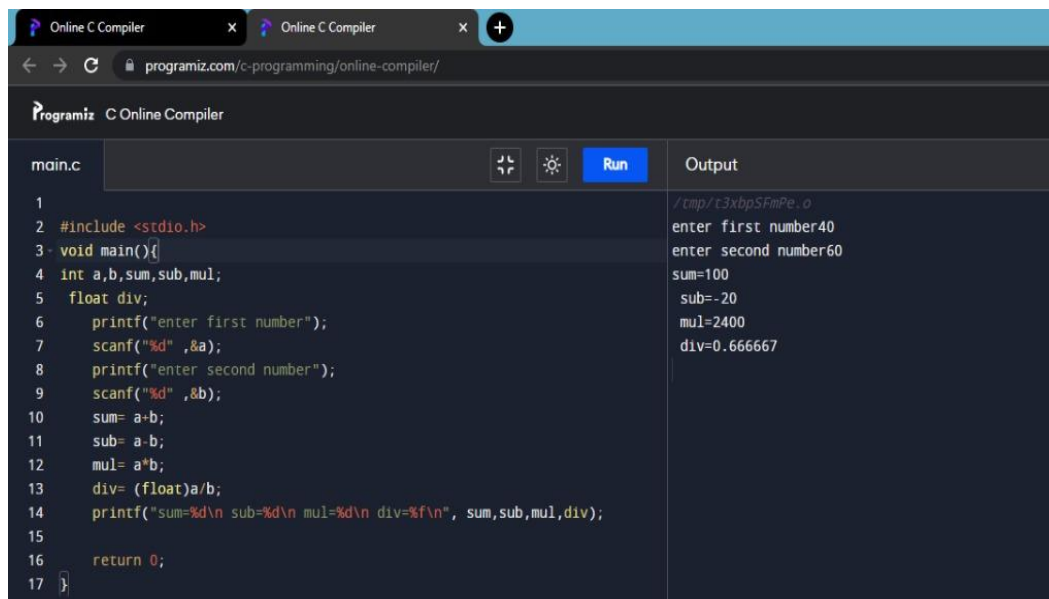


Program 1: WAP to display addition, subtraction, multiplication and division of two numbers.

Source code:

```
#include <stdio.h>
void main(){
int a,b,Sum,Sub,Mul;
float Div;
printf("enter first number");
scanf("%d",&a);
printf("enter second number");
scanf("%d",&b);
Sum = a+b;
Sub = a-b;
Mul = a*b;
Div =(float) a/b;
printf ("Sum = %d \n Sub = %d \n Mul= %d \n Div=%f\n", Sum, Sub, Mul, Div);

return 0;
}
```



The screenshot shows a web browser with two tabs, both labeled 'Online C Compiler'. The active tab displays the Programiz C Online Compiler interface. The code editor on the left contains the C program for Program 1, with line numbers 1 through 17. The code prompts the user to enter two numbers, 40 and 60, and calculates their sum (100), subtraction (-20), multiplication (2400), and division (0.666667). The output window on the right shows the program's execution results, matching the calculations in the code.

```
main.c
1
2 #include <stdio.h>
3 void main(){
4 int a,b,sum,sub,mul;
5 float div;
6 printf("enter first number");
7 scanf("%d" ,&a);
8 printf("enter second number");
9 scanf("%d" ,&b);
10 sum= a+b;
11 sub= a-b;
12 mul= a*b;
13 div= (float)a/b;
14 printf("sum=%d\n sub=%d\n mul=%d\n div=%f\n", sum,sub,mul,div);
15
16 return 0;
17 }
```

Output

```
/tmp/t3xbp5FmPe.o
enter first number40
enter second number60
sum=100
sub=-20
mul=2400
div=0.666667
```

Program 2: WAP to accept hexadecimal number and display its decimals.

Source code

```
#include <stdio.h>
Int main(){
int a;
printf("enter hexadecimal number : ");
scanf("%x",&a);
printf("Decimal value is %d\n",a);
return 0;
}
```

The screenshot shows a web browser with two tabs, both labeled 'Online C Compiler'. The active tab displays the URL 'programiz.com/c-programming/online-compiler/'. The compiler interface includes a file named 'main.c' with the following code:

```
1 #include<stdio.h>
2
3 int main(){
4     int a;
5     printf("enter hexadecimal number:");
6     scanf("%x", &a);
7
8     printf("decimal value is %d\n", a);
9     return 0;
10 }
```

The 'Run' button is highlighted in blue. The 'Output' panel on the right shows the execution results:

```
/tmp/vFFSe9FXga.o
enter hexadecimal number:4.123456
decimal value is 4
```

Program 3: WAP to use %i identifier to display octal and hexadecimal numbers.

Source code

```
#include<stdio.h>
void main(){
int a,b,c;
printf("enter decimal number: ");
scanf("%i",&a);
printf("enter hexadecimal number: ");
scanf("%i",&b);
printf("enter octal number:");
scanf("%i",&c);
printf("a=%i, b=%i, c=%i",a,b,c);

return 0;
}
```

The screenshot shows the same online C compiler interface. The 'main.c' file contains the following code:

```
1 #include<stdio.h>
2
3 void main(){
4     int a,b,c;
5     printf("enter decimal number:");
6     scanf("%i", &a);
7     printf("enter hexadecimal number:");
8     scanf("%i", &b);
9     printf("enter octal number:");
10    scanf("%i", &c);
11    printf("a=%i, b=%i ,c=%i",a,b,c);
12
13    return 0;
14 }
```

The 'Run' button is highlighted in blue. The 'Output' panel shows the execution results:

```
/tmp/vFFSe9FXga.o
enter decimal number:10
enter hexadecimal number:20
enter octal number:30
a=10, b=20 ,c=30
```