

1. Write a Program to find sum of given two numbers.

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

```
int main() {
```

```
int a=2, b=3, sum;
```

```
sum = a+b;
```

```
printf("Addition of the two numbers is: %d\n", c);
```

```
return 0;
```

```
}
```

FileEditSelectionViewGoRunTerminalHelp

addition.c - Visual Studio Code

EXPLORER

OPEN EDITORS 1 UNSAVED

division.c C:\Users\...
addition.c C:\User...
fun.c C:\Users\Sud...

NO FOLDER OPENED

OUTLINE

division.c

addition.c

fun.c

C: > Users > Sudhanshu Ranjan > Desktop > snake game > addition.c > main()

```
1 #include<stdio.h>
2 int main(){
3     int a=2,b=3,sum;
4     sum = a+b;
5     printf("Addition of the two numbers is : %d\n",c);
6     return 0;
7 }
8
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: Code

Addition of the two numbers is : 5
PS C:\Users\Sudhanshu Ranjan\Desktop\snake game>

Ln 2, Col 12 Spaces: 4 UTF-8 CRLF C Win32

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07:58 PM 16-04-2021

Expt. No. _____

2. Write a program to find sum of any two numbers given by user.

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

```
int main () {
```

```
    int a, b, c;
```

```
    printf("Enter first no. : \n");
```

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

```
    printf("Enter second no. : \n");
```

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

```
    c = a + b;
```

```
    printf("Addition of the two numbers is : %d\n", c);
```

```
    return 0;
```

```
}
```

Teacher's Signature _____

1

EXPLORER

...

OPEN EDITORS

1 UNSAVED

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addition.c C:\User...

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OUTLINE

addition2.c - Visual Studio Code

addition2.c X fun.c

C: > Users > Sudhanshu Ranjan > Desktop > snake game > addition2.c > ...

```
1 #include<stdio.h>
2 int main(){
3     int a,b,c;
4     printf("Enter first no. : \n");
5     scanf("%d",&a);
6     printf("Enter second no. : \n");
7     scanf("%d",&b);
8     c = a+b;
9     printf("Addition of the two numbers is : %d\n",c);
10    return 0;
11 }
12
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: Code

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Sudhanshu Ranjan> cd "c:\Users\Sudhanshu Ranjan\Desktop\snake game\" ; if (\$?) { gcc addition2.c -o addition2 } ; if (\$?) { .\addition2 }
Enter first no. :
25
Enter second no. :
50
Addition of the two numbers is : 75
PS C:\Users\Sudhanshu Ranjan\Desktop\snake game>

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Expt. No. _____

7. Write a program to find sum, difference, product and division of any two numbers.

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

```
int main ( ) {
```

```
    int a, b, c, d, e;
```

```
    float f;
```

```
    printf ("Enter first no. : \n");
```

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

```
    printf ("Enter second no. : \n");
```

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

```
    c = a + b;
```

```
    d = a - b;
```

```
    e = a * b;
```

```
    f = a / b;
```

```
    printf ("Addition of the two numbers is : %d\n",  
           c);
```

```
    printf ("Subtracting second no from first we get : %d\n", d);
```

```
    printf ("Multiplication of the two numbers is : %d\n", e);
```

```
    printf ("Dividing first no by second we get : %.f\n", f);
```

```
    return 0;
```

```
}
```

Teacher's Signature _____

calculator.c - Visual Studio Code

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EXPLORER

1 UNSAVED

- division.c C:\Users\...
- addition.c C:\User...
- addition2.c C:\Use...
- calculator.c C:\Use...
- fun.c C:\Users\Sud...

NO FOLDER OPENED

OUTLINE

C: > Users > Sudhanshu Ranjan > Desktop > snake game > calculator.c > main()

```
1 #include<stdio.h>
2 int main(){
3     int a,b,c,d,e;
4     float f;
5     printf("Enter first no. :\n");
6     scanf("%d",&a);
7     printf("Enter second no. :\n");
8     scanf("%d",&b);
9     c = a+b;
10    d = a-b;
11    e = a*b;
12    f = a/b;
13    printf("Addition of the two numbers is : %d\n",c);
14    printf("Subtracting second no from first we get : %d\n",d);
15    printf("Multiplication of the two numbers is : %d\n",e);
16    printf("Dividing first no by second we get : %f\n",f);
17    return 0;
18 }
19
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

2: Code

PS C:\Users\Sudhanshu Ranjan> cd "c:\Users\Sudhanshu Ranjan\Desktop\snake game\" ; if (\$?) { gcc calculator.c -o calculator } ; if (\$?) { .\calculator }

Enter first no. :
12
Enter second no. :
6
Addition of the two numbers is : 18
Subtracting second no from first we get : 6
Multiplication of the two numbers is : 72
Dividing first no by second we get : 2.000000
PS C:\Users\Sudhanshu Ranjan\Desktop\snake game>

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4. Write a program to find simple interest of given principle, rate and time.

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

```
int main() {
```

```
    int Principle = 1000, time = 3;
```

```
    float simple_interest; interest_rate = 7.5;
```

```
    printf("!! SIMPLE INTEREST CALCULATOR !!\n");
```

```
    printf("Entered principle amount in rupees : \n 1000 \n");
```

```
    printf("Entered interest rate in percentage : \n 7.5 \n");
```

```
    printf("Entered time duration in years : \n 3 \n");
```

```
    simple_interest = (Principle * interest_rate * time) / 100;
```

```
    printf("Simple interest is %f\n", simple_interest);
```

```
    return 0;
```

```
}
```

simpleinterest.c - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

1 UNSAVED

- division.c C:\Users\...
- addition.c C:\User...
- addition2.c C:\Use...
- calculator.c C:\Use...
- fun.c C:\Users\Sud...
- simpleinterest.c C...

NO FOLDER OPENED

OUTLINE

C: > Users > Sudhanshu Ranjan > Desktop > snake game > simpleinterest.c > main()

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int principle = 1000 ,time = 3;
6      float simple_interest,interest_rate = 7.5 ;
7      printf("!! SIMPLE INTEREST CALCULATOR !!\n");
8      printf("Entered principle amount in rupees : \n 1000 \n");
9      printf("Entered interest rate in percentage : \n 7.5 \n") ;
10     printf("Entered time duration in years :\n 3 \n");
11
12     simple_interest = ( principle * interest_rate * time )/100 ;
13     printf("Simple interest is %f\n",simple_interest);
14
15     return 0;
16 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: Code

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\Users\Sudhanshu Ranjan> cd "c:\Users\Sudhanshu Ranjan\Desktop\sake game\" ; if ($?) { gcc simpleinterest.c -o simpleinterest } ; if ($?) { .\simpleinterest }
!! SIMPLE INTEREST CALCULATOR !!
Entered principle amount in rupees :
1000
Entered interest rate in percentage :
7.5
Entered time duration in years :
3
Simple interest is 225.000000
PS C:\Users\Sudhanshu Ranjan\Desktop\sake game>
```

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