

تم حل الملف كامل من قبل م. سوسن منصة أي كيو أكاديمي

Course	Programming Applications for Engineers (ECE 201)		
Name	ACADEMY		
Lab sheet no.	2	Class	

1. Program to print the sum of three integer numbers entered by a user.

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

```
int main()  
{
```

```
    int num1;  
    int num2;  
    int num3;  
    int total;
```

```
    printf("Enter 3 integer numbers:\n");  
    scanf("%d %d %d", &num1, &num2, &num3);
```

```
    total = num1 + num2 + num3;
```

```
    printf("The sum is %d.\n", total);
```

```
}
```

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1.1 Output

```
"C:\Users\Iris-Smile\Workplac x + v - □ ×  
Enter 3 integer numbers:  
3 6 7  
The sum is 16.  
  
Process returned 0 (0x0) execution time : 36.455 s  
Press any key to continue.  
|
```

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2. Program to calculate quotient and remainder (values are entered by a user)

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

```
int main()
```

```
{
```

```
int num1;
```

```
int num2;
```

```
int division;
```

```
int remainder;
```

```
printf("Enter 2 integers:\n");
```

```
scanf("%d %d", &num1, &num2);
```

```
division = num1/num2;
```

```
remainder = num1%num2;
```

```
printf("The quotient for the numbers %d and %d is equal to %d, and the remainder is %d.\n", num1, num2, division, remainder);
```

```
}
```

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2.1 Output

```
"C:\Users\Iris-Smile\Workplac x + v - □ x
Enter 2 integers:
3 5
The quotient for the numbers 3 and 5 is equal to 0, and the remainder is 3.
Process returned 0 (0x0) execution time : 7.039 s
Press any key to continue.
```

```
"C:\Users\Iris-Smile\Workplac x + v - □ x
Enter 2 integers:
6 5
The quotient for the numbers 6 and 5 is equal to 1, and the remainder is 1.
Process returned 0 (0x0) execution time : 7.379 s
Press any key to continue.
```

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3. Program to calculate average of four integer numbers (values are entered by a user)

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

```
int main()
```

```
{
```

```
int num1;
```

```
int num2;
```

```
int num3;
```

```
int num4;
```

```
int average;
```

```
printf("Enter 4 integer numbers:\n");
```

```
scanf("%d %d %d %d", &num1, &num2, &num3, &num4);
```

```
average = (num1 + num2 + num3 + num4) / 4;
```

```
printf("The average is %d", average);
```

```
}
```

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3.1 Output

```
"C:\Users\Iris-Smile\Workplac x + v - □ ×
Enter 4 integer numbers:
4 8 7 2
The average is 5
Process returned 0 (0x0) execution time : 7.245 s
Press any key to continue.
|
```

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