

The following code shows how to take input from the user. Mind the comments in the code. “ *scanf(“format specifier”,..& variable...) “* is used to take input from the user. The code is as follows:

```
#include<stdio.h>

int main()
{
int a, b;
char c;
char name[10]; // a sufficient value for name size

printf("\n Enter value of char: ");
scanf(" %c",&c); // always leave a space in before %c in scanf

printf("\n Enter 1st number: "); //'\n' introduces newline
scanf("%d",&a); //putting & is necessary

printf("\n Enter 2nd number: ");
scanf("%d",&b);

printf("\n Enter value of string: ");
scanf("%10s",name); // don't give space while providing input; limit the size (e.g. %10s)

printf("\n value of a=%d, value of b=%d, value of c=%c, value of name=%s",a, b, c, name);

return 0;
}
```

**The following are the programs to do.**

WAP to perform the addition of two integers and display the result. Input must be given by user.	Enter 1st number:12 Enter 2nd number:13	Sum is 25.
WAP to find Fahrenheit for a given centigrade temperature.	Enter the temperature in Centigrade: 30	The Fahrenheit temperature is: 86

WAP to calculate area of a circle while taking radius as user input.	Enter the radius of the circle: 11	The area is: 380.12
WAP to calculate area of a triangle whose base and height are user input.	Enter the height of the triangle: 12  Enter the base of the triangle: 10	The area of the triangle is: 60.
Write a C program to perform swapping of two integers using a third variable.	Enter num1: 10  Enter num2: 20	Before Swapping  num1=10, num2=20  After Swapping  num1=20, num2=10

WAP to find the average mark of 5 subjects of a student and find the percentage. Assume full mark of each subject is 200. All the input must be given by user.	Enter the number of 1st subject: 160  Enter the number of 2nd subject: 170  Enter the number of 3rd subject: 165  Enter the number of 4th subject: 180  Enter the number of 5th subject: 185	The average is: 172.  The percentage is: 86%
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Submission:"

Submit zip file of all source codes and output files as doc.

To link: <https://linkedin.com/in/MrRogueKnight>