1- Write a program that asks the user to enter a number and then prints it on a new line.

اكتب برنامجًا يطلب من المستخدم إدخال رقم ثم يطبعه على سطر جديد.

Input

```
Enter a number: 7
```

Output

```
The entered number is: 7
```

Solution

```c
#include <stdio.h>

int main() {
    int number;

    printf("Enter a number: ");
    scanf("%d", &number);

    printf("The entered number is: %d\n", number);

    return 0;
}
```

2- Write a program that asks the user to enter a number from 1 to 9 and prints its complement, making the sum of both numbers equal to 10.

اكتب برنامجًا يطلب من المستخدم إدخال رقم من 1 إلى 9 وطباعة تكملة له، مما يجعل مجموع الرقمين يساوي 10.

Input

```
Enter a number from 1 to 9: 8
```

Output

```
The complement of 8 is: 2
```

Solution

```c
#include <stdio.h>

int main() {
    int userNumber;

    printf("Enter a number from 1 to 9: ");
    scanf("%d", &userNumber);

    int complement = 10 - userNumber;

    printf("The complement of %d is: %d\n", userNumber, complement);

    return 0;
}
```

3- Write a program that asks the user to enter two numbers and prints the sum.

اكتب برنامجًا يطلب من المستخدم إدخال رقمين وطباعة المجموع.

Input

```
Enter the first number: 2
Enter the second number: 5
```

Output

```
The sum of the two numbers is: 7
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    int sum = num1 + num2;

    printf("The sum of the two numbers is: %d\n", sum);

    return 0;
}
```

4- Write a program that asks the user to enter two numbers and prints the result of subtracting the first number from the second.

اكتب برنامجًا يطلب من المستخدم إدخال رقمين ويطبع نتيجة طرح الرقم الاول من الثاني.

Input

```
Enter the first number: 7
Enter the second number: 2
```

Output

```
The difference between the two numbers is: 5
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    int difference = num1 - num2;

    printf("The difference between the two numbers is: %d\n", difference);

    return 0;
}
```

5- Write a program that asks the user to enter two numbers and prints the result of multiplying them.

اكتب برنامجًا يطلب من المستخدم إدخال رقمين وطباعة نتيجة ضربهما.

Input

```
Enter the first number: 5
Enter the second number: 2
```

Output

```
The product of the two numbers is: 10
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    int product = num1 * num2;

    printf("The product of the two numbers is: %d\n", product);

    return 0;
}
```

6- Write a program that asks the user to enter three numbers and prints the sum of each pair in separate lines.

اكتب برنامجًا يطلب من المستخدم إدخال ثلاثة أرقام وطباعة مجموع كل زوج في أسطر منفصلة.

Input

```
Enter the first number: 1
Enter the second number: 3
Enter the third number: 5
```

Output

```
Sum of 1 and 3 is: 4
Sum of 1 and 5 is: 6
Sum of 3 and 5 is: 8
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2, num3;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    printf("Enter the third number: ");
    scanf("%d", &num3);

    printf("Sum of %d and %d is: %d\n", num1, num2, num1 + num2);
    printf("Sum of %d and %d is: %d\n", num1, num3, num1 + num3);
    printf("Sum of %d and %d is: %d\n", num2, num3, num2 + num3);

    return 0;
}
```

7- Write a program that asks the user to enter four numbers and prints the sum of the first two numbers in one line and the sum of the next two numbers in another line.

اكتب برنامجًا يطلب من المستخدم إدخال أربعة أرقام ويطبع مجموع أول رقمين في سطر واحد ومجموع الرقمين التاليين في سطر آخر.

Input

```
Enter the first number: 3
Enter the second number: 4
Enter the third number: 5
Enter the fourth number: 6
```

Output

```
Sum of the first two numbers is: 7
Sum of the next two numbers is: 11
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2, num3, num4;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    printf("Enter the third number: ");
    scanf("%d", &num3);

    printf("Enter the fourth number: ");
    scanf("%d", &num4);

    printf("Sum of the first two numbers is: %d\n", num1 + num2);
    printf("Sum of the next two numbers is: %d\n", num3 + num4);

    return 0;
}
```

8- Write a program that asks the user to enter three numbers and prints the addition of the first two numbers and then multiplying them by the third number.

اكتب برنامجًا يطلب من المستخدم إدخال ثلاثة أرقام ويطبع جمع أول رقمين ثم ضربهم في الرقم الثالث.

Input

```
Enter the first number: 3
Enter the second number: 2
Enter the third number: 5
```

Output

```
The product of the sum of the first two numbers and the third number
is: 25
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2, num3;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    printf("Enter the third number: ");
    scanf("%d", &num3);

    int result = (num1 + num2) * num3;

    printf("The product of the sum of the first two numbers and the third number is: %d\n", result);

    return 0;
}
```

9- Write a program that asks the user to enter four numbers and prints the sum of the first two numbers in one line and the product of the next two numbers in another line.

اكتب برنامجًا يطلب من المستخدم إدخال أربعة أرقام ويطبع مجموع أول رقمين في سطر واحد وحاصل ضرب الرقمين التاليين في سطر آخر.

Input

```
Enter the first number: 2
Enter the second number: 3
Enter the third number: 4
Enter the fourth number: 5
```

Output

```
Sum of the first two numbers is: 5
Product of the next two numbers is: 20
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2, num3, num4;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    printf("Enter the third number: ");
    scanf("%d", &num3);

    printf("Enter the fourth number: ");
    scanf("%d", &num4);

    printf("Sum of the first two numbers is: %d\n", num1 + num2);
    printf("Product of the next two numbers is: %d\n", num3 * num4);

    return 0;
}
```

10- Write a program that asks the user to enter five numbers and prints their sum.

اكتب برنامجًا يطلب من المستخدم إدخال خمسة أرقام وطباعة مجموعها.

Input

```
Enter the first number: 1
Enter the second number: 2
Enter the third number: 3
Enter the fourth number: 4
Enter the fifth number: 5
```

Output

```
The sum of the five numbers is: 15
```

Solution

```c
#include <stdio.h>

int main() {
    int num1, num2, num3, num4, num5;

    printf("Enter the first number: ");
    scanf("%d", &num1);

    printf("Enter the second number: ");
    scanf("%d", &num2);

    printf("Enter the third number: ");
    scanf("%d", &num3);

    printf("Enter the fourth number: ");
    scanf("%d", &num4);

    printf("Enter the fifth number: ");
    scanf("%d", &num5);

    int sum = num1 + num2 + num3 + num4 + num5;

    printf("The sum of the five numbers is: %d\n", sum);

    return 0;
}
```