

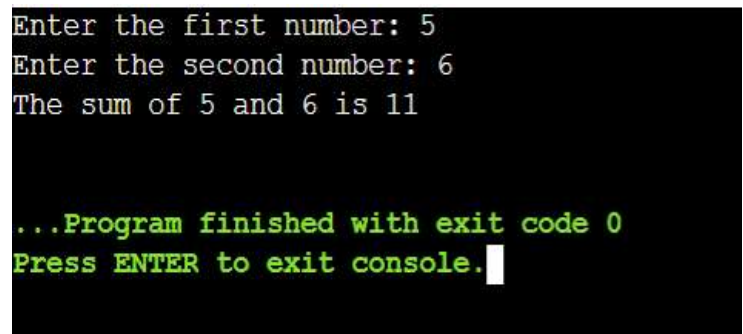
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Ques 1) write a program to add two numbers in c++.

Sol.

```
#include <iostream>
using namespace std;
int main() {
    // Declare variables to store the two numbers
    double num1, num2, sum;
    // Prompt the user to enter the numbers
    cout << "Enter the first number: ";
    cin >> num1;
    cout << "Enter the second number: ";
    cin >> num2;
    // Perform the addition
    sum = num1 + num2;
    // Display the result
    cout << "The sum of " << num1 << " and " << num2 << " is " << sum << endl;
    return 0;
}
```



Enter the first number: 5
Enter the second number: 6
The sum of 5 and 6 is 11

...Program finished with exit code 0
Press ENTER to exit console.

Ques 2) Write a c++ program to check whether a number is positive or negative.

Soln:

```
#include<iostream>
using namespace std;
int main()
{
    int n;
    cin>>n;
    if(n>0){
        cout<< "the number is positive";
    }
    else if(n<0){
        cout<<" the number is negative";
    }
}
```

```

    }
    else{
        cout<<"executioon error";
    }
    return 0;
}

```

```

-5
the number is negative

...Program finished with exit code 0
Press ENTER to exit console.

```

Ques 3) Write a program to find the sum of n natural numbers.

Soln:

```

#include <iostream>
using namespace std;
int main() {
    int n;
    int sum;
    // Prompt the user to enter the value of n
    cout << "Enter a positive integer (n): ";
    cin >> n;
    if (n > 0) {
        // Calculate the sum using the formula
        sum = n * (n + 1) / 2;
        // Display the result
        cout << "The sum of the first " << n << " natural numbers is " << sum << endl;
    } else {
        cout << "Please enter a positive integer." << endl;
    }
    return 0;
}

```

```

Enter a positive integer (n): 5
The sum of the first 5 natural numbers is 15

...Program finished with exit code 0
Press ENTER to exit console.

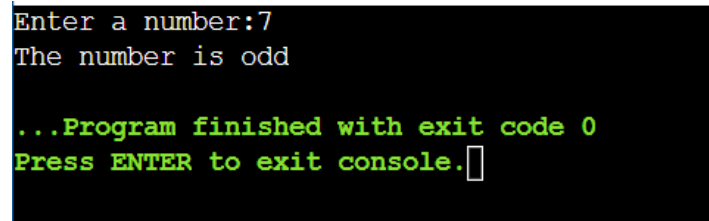
```

Ques 4) Write a c++ program to find if the number is even or odd.

Soln:

```
#include<iostream>
using namespace std;
int main(){
    int n;
    cout<<"Enter a number:";
    cin>>n;
    if(n/2==0){
        cout<<"The number is even";
    }
    else{

        cout<<"The number is odd";
    }
    return 0;
}
```



```
Enter a number:7
The number is odd

...Program finished with exit code 0
Press ENTER to exit console.
```

Ques 5) Write a program to count the digits upto n numbers.

Soln:

```
#include<iostream>
Using namespace std;
int main()
{
    int n, count=0;
    cout<<"enter the number";
    cin>>n;
    do{
        count++;
        n/=10;
    } while (n!=0);
    cout <<"the total number of digits"<< count;
    return 0;
}
```