

Program 1. Program to perform celsius to fahrenheit conversion

```
#include<iostream>
using namespace std;

int main()
{
    float fahrenheit, celsius;

    cout << "Enter the temperature in Celsius : ";
    cin >> celsius;
    fahrenheit = (celsius * 9.0) / 5.0 + 32;
    cout << "The temperature in Celsius   : " << celsius << endl;
    cout << "The temperature in Fahrenheit : " << fahrenheit << endl;
    return 0;
}
```

Program 2. To find sum of two numbers

```
#include<iostream>
using namespace std;

int main()
{
    int a, b, c;

    cout<<"Please enter a number: ";
    cin>>a;
    cout<<"Please enter another number: ";
    cin>>b;
    c = a + b;
    cout<<"The sum is "<<c<<endl;
    return 0;
}
```

Program3. Swap two numbers

```
#include <iostream>
using namespace std;
int main()
{
    int a, b, temp;
    cout<<"Enter 1st Number: ";
    cin>>a;
    cout<<"Enter 2nd Number: ";
    cin>>b;
    cout<<"Before Swapping: First Number: "<<num1<<" Second Number: "<<num2;
    temp=a;
    a=b;
```

```

    b=temp;
    cout<<"\nAfter Swapping: First Number: "<<num1<<" Second Number: "<<num2;
    return 0;
}

```

Program 4: To get radius of the circle

```

#include <iostream>
using namespace std;
int main()
{
    float radius, area;

    cout << "Enter the radius of circle : ";
    cin >> radius;
    area = 3.14 * radius * radius;
    cout << "Area of circle with radius "<< radius << " is " << area;

}

```

Program 5. Program to find whether m is multiple of n or not

```

#include<iostream>
using namespace std;

int main()
{
    int m,n;
    cout<<"enter the value of m: ";
    cin>>m;
    cout<<"enter the value of n: ";
    cin>>n;
    if(m%n==0)
    {
        cout<<"m is multiple of n";
    }
    else
    {
        cout<<"m is not multiple of n";
    }
    return 0;
}

```

Program6: To check leap year

```

#include<iostream>
using namespace std;
int main() {
    int year = 2016;
    if (((year % 4 == 0) && (year % 100 != 0)) || (year % 400 == 0))

```

```

    cout<<year<<" is a leap year";
    else
    cout<<year<<" is not a leap year";
    return 0;
}

```

Program 7. Program to get student details using structure

```
#include<iostream>
```

```
using namespace std;
```

```
struct student
```

```
{
    char name[30];
    char gender;
    int admno;
};
```

```
int main()
```

```
{
    student d;
    cout<<"Enter student name: ";
    cin>> d.name;
    cout<<"Enter gender(M/F): ";
    cin>> d.gender;
    cout<<"Enter student admission no : ";
    cin>> d.admno;
    cout<<"Your entered details for student is as follows: Name- "<<d.name<<endl;
    cout<<"Gender-"<<d.gender<<endl;
    cout<<"Admission no. is "<<d.admno<<endl;
    return 0;
}
```

Program 8: C program to illustrate for loop

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
    int i = 0;

    for (i = 1; i <= 10; i++) {
        cout<<i<<endl;
    }

    return 0;
}
```

Program 9: To display elements of array using for loop

```
#include <iostream>
using namespace std;
int main(){
    int arr[]={21,9,56,99, 202};

    for(int i=0; i<5; i++){
        cout<<arr[i]<<endl;
    }
    return 0;
}
```

Program10: Pointer

```
#include <iostream>
using namespace std;

int main ()
{
    int n = 20, *ptr;
    ptr = &n;
    cout << "Address of n variable: " << &n << endl;
    cout << "Address stored in pntr variable: " << ptr << endl;
    cout << "Value of *pntr variable: " << *ptr << endl;
    return 0;
}
```