PRACTICE PROGRAMS (DAY1)
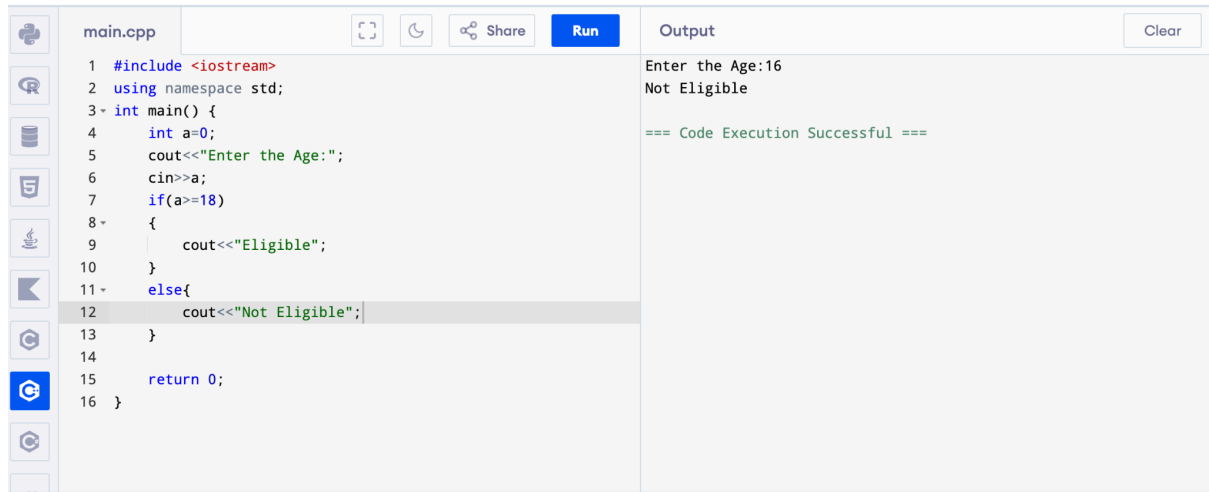
1) C++ Program for Checking Voter Eligiblity
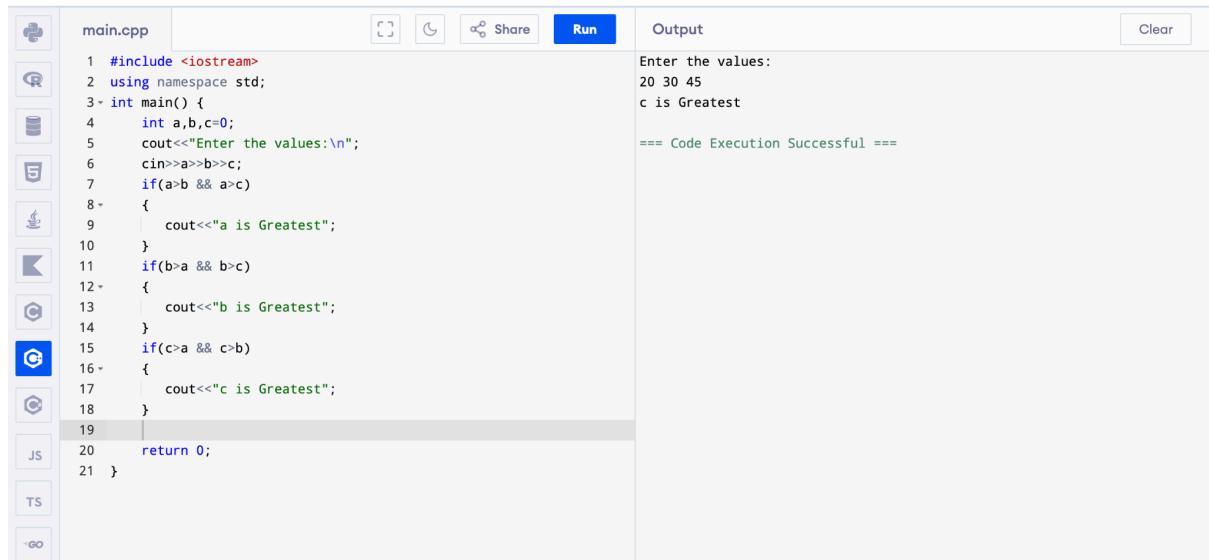
```cpp
#include <iostream>
using namespace std;
int main() {
    int a=0;
    cout<<"Enter the Age:";
    cin>>a;
    if(a>=18)
    {
        cout<<"Eligible";
    }
    else{
        cout<<"Not Eligible";
    }

    return 0;
}
```

Output:
```
Enter the Age:16
Not Eligible

=== Code Execution Successful ===
```
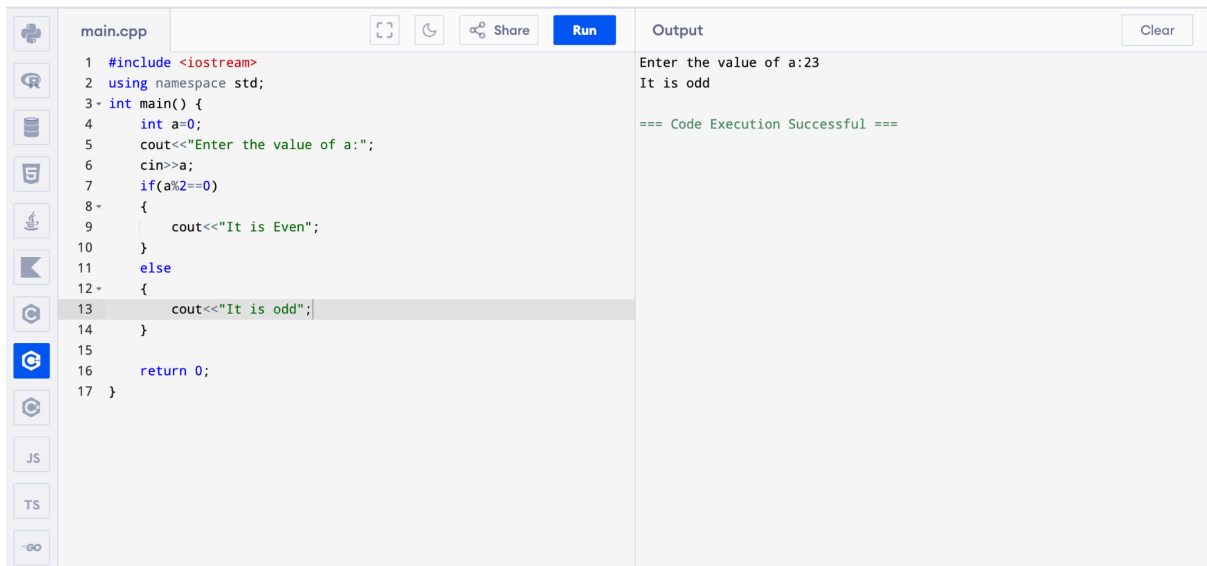
2) C++ Program for Checking Greatest of 3 Numbers

```cpp
#include <iostream>
using namespace std;
int main() {
    int a,b,c=0;
    cout<<"Enter the values:\n";
    cin>>a>>b>>c;
    if(a>b && a>c)
    {
        cout<<"a is Greatest";
    }
    if(b>a && b>c)
    {
        cout<<"b is Greatest";
    }
    if(c>a && c>b)
    {
        cout<<"c is Greatest";
    }

    return 0;
}
```

Output:
```
Enter the values:
20 30 45
c is Greatest

=== Code Execution Successful ===
```
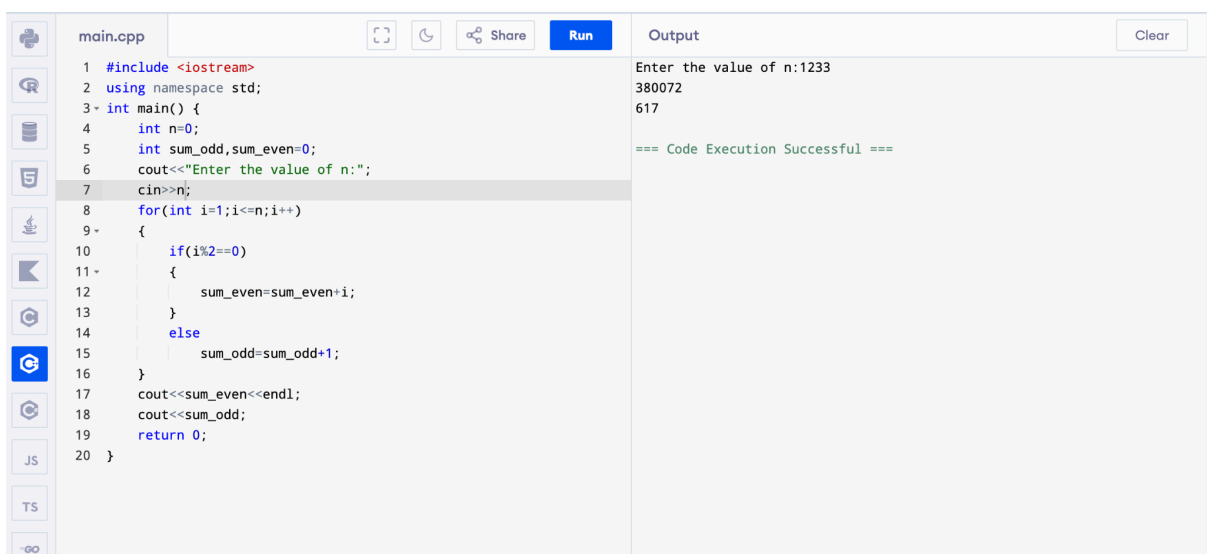
3)Find odd or Even

```cpp
#include <iostream>
using namespace std;
int main() {
    int a=0;
    cout<<"Enter the value of a:";
    cin>>a;
    if(a%2==0)
    {
        cout<<"It is Even";
    }
    else
    {
        cout<<"It is odd";
    }

    return 0;
}
```

Output:
```
Enter the value of a:23
It is odd

=== Code Execution Successful ===
```

4) C++ Program for sum of odd and even

```cpp
#include <iostream>
using namespace std;
int main() {
    int n=0;
    int sum_odd,sum_even=0;
    cout<<"Enter the value of n:";
    cin>>n;
    for(int i=1;i<=n;i++)
    {
        if(i%2==0)
        {
            sum_even=sum_even+i;
        }
        else
            sum_odd=sum_odd+1;
    }
    cout<<sum_even<<endl;
    cout<<sum_odd;
    return 0;
}
```

Output:
```
Enter the value of n:1233
380072
617

=== Code Execution Successful ===
```