Assignment – 23

1. Write a C++ program to print Hello MySirG on the screen.

```cpp
#include<iostream>
using namespace std;
main()
{
    cout<<"Hello MySirG";
}
```

2. Write a C++ program to print Hello on the first line and MySirG on the second line using endl.

```cpp
#include<iostream>
using namespace std;
main()
{
    cout<<"Hello"<<endl<<"MySirG";
}
```

3. Write a C++ program to calculate the sum of two numbers.

```cpp
#include<iostream>
using namespace std;
main()
{
    int a,b;
    cout<<"Enter Two Number : ";
    cin>>a>>b;
    cout<<"Sum of "<<a<<" & "<<b<<" is : "<<a+b;
}
```

4. Write a C++ program to calculate the area of a circle.

```cpp
#include<iostream>
using namespace std;
main()
{
    float r,area;
    cout<<"Radius : ";
    cin>>r;
    area = 3.14*r*r;
    cout<<"Area of Circle is : "<<area;
}
```

5. Write a C++ program to calculate the volume of a cuboid.

```cpp
#include<iostream>
using namespace std;
main()
{
    float vol,l,w,h;
    cout<<"Enter Length Width Height : ";
    cin>>l>>w>>h;
    vol = l*w*h;
    cout<<"Volume of Cuboid is : "<<vol;
}
```

6. Write a C++ program to calculate an average of 3 numbers.

```cpp
#include<iostream>
using namespace std;
main()
{
    int a,b,c;
    float avg;
    cout<<"Enter 3 Numbers : ";
    cin>>a>>b>>c;
    avg = (a+b+c)/3 ;
    cout<<"Average is : "<<avg;
}
```

7. Write a C++ program to calculate the square of a number.

```cpp
#include<iostream>
using namespace std;
main()
{
    int a;
    cout<<"Enter a Number : ";
    cin>>a;
    cout<<"Square of "<<a<<" is : "<<a*a;
}
```

8. Write a C++ program to swap values of two int variables without using third variable.

```cpp
#include<iostream>
using namespace std;
main()
{
    int a,b;
    cout<<"Enter 2 Number : ";
    cin>>a>>b;
    a=a+b;
    b=a-b;
    a=a-b;
    cout<<"Numbers after swapping is "<<a<<", "<<b;
}
```

9. Write a C++ program to find the maximum of two numbers.

```cpp
#include<iostream>
using namespace std;
main()
{
    int a,b;
    cout<<"Enter 2 Number : ";
    cin>>a>>b;
    if(a>b)
        cout<<"Max is "<<a;
    else
        cout<<"Max is "<<b;
}
```

10.Write a C++ program to add all the numbers of an array of size 10.

```cpp
#include<iostream>
using namespace std;
main()
{
    int arr[10],sum=0,i;
    cout<<"Enter Elements of Array Of Size 10 : ";
    for(i=0;i<10;i++)
        cin>>arr[i];
    for(i=0;i<10;i++)
        sum = sum + arr[i];
    cout<<"Sum of given Elements is : "<<sum;
}
```