**CPP ASSIGNMENT – 01**

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

#include<iostream>

using namespace std;

int main ()

{

    cout << "Hello MySirg";

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    cout<<"Hello" <<endl<<"MySirg";

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a, b;

    cout<<"Enter two number"<<endl;

    cin >>a>>b;

    cout<<"Sum is:"<<a+ b;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    const float pi=3.14;

    int r;

    cout<<"Enter radius of circle:"<< endl;

    cin>>r;

    cout<< "Area of Circle is "<< pi\*r\*r;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a, b, c;

    cout << "Enter length, breadth, height of Cuboid:"<<endl;

    cin>>a>>b>>c;

    cout<<"Volume of cuboid is:"<<a\*b\*c;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a, b, c;

    cout<<"Enter three Numbers:";

    cin>>a>>b>>c;

    cout<<"Average is "<< (a+ b+ c)/3;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a;

    cout<<"Enter a Number:";

    cin>>a;

    cout<<"Square of "<<a<<" is "<< a\*a <<endl;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a, b;

    cout<<"Enter two numbers";

    cin>>a >>b;

    b=a+b;

    a=b-a;

    b=b-a;

    cout<< "swapped Value is:"<<a<< " "<< b;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int m, n;

    cout<<"Enter two numbers:"<<endl;

    cin >>m>>n;

    if (m>n)

       cout<<m<< " is Largest "<<endl;

    else

      cout<<n<<" is largest"<<endl;

    return 0;

}

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

#include<iostream>

using namespace std;

int main ()

{

    int a [10], i, sum=0;

    cout<<"Enter 10 numbers";

    for (i=0; i<10; i++)

    {

        cin >> a[i];

    }

    for (i=0; i<10; i++)

    {

        sum = sum + a[i];

    }

    cout << "Sum is "<< sum <<endl;

    return 0;

}