* **Name : Rushikesh Gaware**
* **WhatsApp Number : 9662631201**
* **Email Id :**

[**gawarerishi@gmail.com**](mailto:gawarerishi@gmail.com)

**Assignment-23**

**\*\*\*BASICS OF C++\*\*\***

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

cout<<"Hello MySirG";

return 0;

}

**Q.2. Write a C++ program to print Hello on the first**

**line and MySirG on the second line using endl.**

**ANS:**

#include<iostream>

using namespace std;

int main()

{

cout<<"Hello"<<endl<<"MySirG";

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

int a,b,c;

cout<<"Enter Value of a And b"<<endl;

cin>>a>>b;

c=a+b;

cout<<"The Sub Of "<<a<<" And "<<b<<" Is "<<c;

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

float r,a;

cout<<"Enter Radious Of Circle"<<endl;

cin>>r;

a=3.14\*(r\*r);

cout<<"The Area Of Circle IS "<<a;

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

float v,h,w,l;

cout<<"Enter Height Length Width "<<endl;

cin>>h>>w>>l;

v=h\*w\*l;

cout<<"The Volume Of Cuboid Is "<<v;

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

float A,a,b,c;

cout<<"Enter Three Numbers"<<endl;

cin>>a>>b>>c;

A=(a+b+c)/3;

cout<<"The Average is "<<A;

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

int a,s;

cout<<"Enter A Numbers"<<endl;

cin>>a;

s=a\*a;

cout<<"The Square Of "<<a<<" is "<<s;

return 0;

}

**Q.8. Write a C++ program to swap values of two int**

**variables without using third variable**

**Ans:**

#include<iostream>

using namespace std;

int main()

{

int a,b;

cout<<"Enter Two Numbers"<<endl;

cin>>a>>b;

a=a+b;

b=a-b;

a=a-b;

cout<<"The Swap Variables a="<<a<<" b="<<b;

return 0;

}

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

**numbers.**

**Ans:**

#include<iostream>

using namespace std;

int main()

{

int a,b,max;

cout<<"Enter Two Numbers"<<endl;

cin>>a>>b;

max=a>b?a:b;

cout<<"The Greater Number Is "<<max;

return 0;

}

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

**Ans:**

#include<iostream>

using namespace std;

int main()

{

int a[10],i;

cout<<"Enter 10 Numbers"<<endl;

for(i=0;i<=9;i++)

{

cin>>a[i];

}

cout<<endl<<"The Numbers Are "<<endl;

for(i=0;i<=9;i++)

{

cout<<a[i]<<" ";

}

return 0;

}