

## ASSIGNMENT-23

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

```
Ans-#include<iostream>

using namespace std;

int main(){
    cout<<"Hello MySirG"<<endl;
    return 0;
}
```

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;
    cout<<"MySirG";
    return 0;
}
```

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

```
Ans-#include<iostream>

using namespace std;

int main(){
    int a,b;
    cout<<"Enters the Two Numbers:"<<endl;
    cin>>a>>b;
    cout<<"The sum of two Numbers is:"<<a+b;
    return 0;
}
```

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

```
Ans-#include<iostream>

using namespace std;

int main(){
    int r;
```

```

    cout<<"Enters the radius r:"<<endl;
    cin>>r;
    cout<<"The Area of the circle is:"<<3.14*r*r;
return 0;
}

```

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

```

Ans-#include<iostream>

using namespace std;

int main(){
    int l,b,h;
    cout<<"Enter the values of length,breadth,height:"<<endl;
    cin>>l>>b>>h;
    cout<<"The volume of the cuboid is:"<<l*b*h;
return 0;
}

```

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

```

Ans-#include<iostream>

using namespace std;

int main(){
    int a,b,c;
    cout<<"Enter the values of a,b and c"<<endl;
    cin>>a>>b>>c;
    cout<<"The Average of 3 numbers is "<<(a+b+c)/3;
return 0;
}

```

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

```

Ans-#include<iostream>

using namespace std;

int main(){
    int num;
    cout<<"Enter the Number"<<endl;
    cin>>num;
    cout<<"The Square of Number is "<<num*num;
return 0;
}

```

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=10,b=20;
    cout<<"The Numbers Before swapping are:"<<a<<" "<<b<<endl;
    b=b-a;
    a=a+b;
    cout<<"The Numbers After swapping are:"<<a<<" "<<b;
    return 0;
}
```

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

```
Ans-#include<iostream>

using namespace std;

int main(){
    int a,b;
    cout<<"Enter the Values of a and b"<<endl;
    cin>>a>>b;
    if(a>b){
        cout<<"A is greater"<<endl;
    }
    else
        cout<<"B is greater"<<endl;
    return 0;
}
```

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 arr[10],sum=0;
    cout<<"Enter the elements of an array:";
    for(int i=0;i<10;i++){
        cin>>arr[i];
    }
    for(int i=0;i<10;i++){
        sum=sum+arr[i];
    }
    cout<<"The sum is:"<<sum<<endl;
    return 0;
}
```

