Assignment 23 Solution's

```cpp
Q.1//Write a C++ program to print Hello MySirG on the screen

//Solution:

#include<iostream>
using namespace std;

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

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

//Solution:

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

```cpp
Q.3//Write a C++ program to calculate the sum of two numbers

//Solution:

#include<iostream>

using namespace std;

int main()
{
    int num1 ,num2;
    cout<<"Enter first numbers:";
    cin>>num1;
    cout<<"Enter second number:";
    cin>>num2;
    cout<<"Sum of two number is :"<<num1+num2;
}
```

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

`//Solution:`

```cpp
#include<iostream>
using namespace std;
int main()
{
    float area=0, r;
    cout<<"Enter the radius of circle: ";
    cin>>r;
    area=3.14*r*r;
    cout<<"Area of Circle is: "<<area;
}
```

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

`//Solution:`

```cpp
#include<iostream>

using namespace std;

int main()
{
    float r,volume=0,h;
    cout<<"Enter the radius of cuboid: ";
    cin>>r;
    cout<<"Enter the height of cuboid: ";
    cin>>h;
    volume=3.14*r*r*h;
    cout<<"Volumr of Cuboid is: "<<volume;
}
```

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

`//Solution:`

```cpp
#include<iostream>

using namespace std;
```

```cpp
int main()
{
    int num1,num2,num3;float average=0;
    cout<<"Enter three numbers:";
    cin>>num1>>num2>>num3;
    average=(num1+num2+num3)/3;
    cout<<"Average of three number is: "<<average;
}
```

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

//Solution:

```cpp
#include<iostream>
using namespace std;

int main()
{
    int num;
    cout<<"Enter a number:";
    cin>>num;
    cout<<"Square of a number is: "<<num*num;
}
```

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

//Solution:

```cpp
#include<iostream>
using namespace std;

int main()
{
    int num,num2;
    cout<<"Enter two numbers:";
    cin>>num>>num2;
    num=num+num2;
    num2=num-num2;
    num=num-num2;
    cout<<"After swapping first number is: "<<num<<" and Second number is: "<<num2;
```

```cpp
}
```

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

```cpp
//Solution:

#include<iostream>
using namespace std;
int main()
{
    int num1,num;
    cout<<"Enter two numbers:";
    cin>>num1>>num;
    if(num1>num)
    {
        cout<<" Maximum number"<<num1;
    }
    if(num>num1)
    {
        cout<<" Maximum number"<<num;
    }
}
```

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

```cpp
//Solution:

#include <iostream>
using namespace std;

int main()
{
    int arr[10],sum=0;
    cout<<"Enter 10 number:";
    for(int i=0;i<=9;i++)
    {
        cin>>arr[i];
    }
    for(int i=0;i<=9;i++)
    {
        sum=sum+arr[i];
    }
    cout<<"Sum of all element in an array of 10 size is: "<<sum;
}
```