**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";

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<<"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 << "Enter two numbers: ";

cin>>a>>b;

cout<<"sum of "<<a<<" and "<<b<<" 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()

{

float a;

cout << "Enter the radius of a circle: ";

cin>>a;

cout<<"Area of the circle is "<<(3.14\*a\*a);

return 0;

}

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

Ans-#include<iostream>

using namespace std;

int main()

{

float a;

cout << "Enter the side of a cuboid: ";

cin>>a;

cout<<"volume of the cuboid is "<<(a\*a\*a);

return 0;

}

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

Ans-#include<iostream>

using namespace std;

int main()

{

float a,b,c;

cout << "Enter three numbers: ";

cin>>a>>b>>c;

cout<<"Average of this three 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()

{

float a;

cout << "Enter a number: ";

cin>>a;

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

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,b;

cout << "Enter two numbers: ";

cin>>a>>b;

a=a+b;

b=a-b;

a=a-b;

cout<<"a="<<a<<" b="<<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 two numbers: ";

cin>>a>>b;

if(a>b)

cout<<a<<" is greater";

else

cout<<b<<" is greater";

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 a[10],sum=0,i;

cout << "Enter ten numbers: ";

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

{

cin>>a[i];

}

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

{

sum=sum+a[i];

}

cout<<"Sum of the all numbers is "<<sum;

return 0;

}