Assignment - 23

Basics of C++

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";

}

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

#include<iostream>

using namespace std;

int main()

{

int a,b;

cin>>a>>b;

cout<<a+b;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int a;

cout<<"enter the radius:";

cin>>a;

cout<<"\n area of circle is "<<3.14\*a\*a<<"sq unit";

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 the side of cube: ";

cin>>a>>b>>c;

cout<<"volume of cuboid: "<<a\*b\*c<<" unit cube";

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 3 number: ";

cin>>a>>b>>c;

cout<<"average of 3 number is "<<(a+b+c)/3;

}

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

#include<iostream>

using namespace std;

int main()

{

int a;

cout<<"enter any number: ";

cin>>a;

cout<<"square of any number is "<<a\*a;

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 number: ";

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.

#include<iostream>

using namespace std;

int main()

{

int a,b;

cout<<"enter two number: ";

cin>>a>>b;

a<b?cout<<b:cout<<a;

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 arr[10], sum = 0;

for (int i = 0; i < 10; i++)

{

cin >> arr[i];

sum = sum + arr[i];

}

cout<<"sum of array is "<<sum;

return 0;

}