**Basics of C++**

**Assignment – 23**

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";

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int x,y,sum;

cout<<"ENTER TO NO";

cin>>x>>y;

sum=x+y;

cout<<"SUM OF TWO NO "<<x<<"+"<<y<<"="<<sum;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int r;

cout<<"ENTER RADIUS OF CIRCLE=";

cin>>r;

int area=3.14\*r\*r;

cout<<"AREA OF CIRCLE="<<area;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int l,b,h,volume;

cout<<"ENTER LENGTH=";

cin>>l;

cout<<"ENTER BREATH=";

cin>>b;

cout<<"ENTER HEIGTH=";

cin>>h;

volume=l\*b\*h;

cout<<"VOLUME OF CUBOID "<<l<<"\*"<<b<<"\*"<<h<<"="<<volume;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

float l,b,h,avg;

cout<<"ENTER FIRST NO=";

cin>>l;

cout<<"ENTER SECOND NO=";

cin>>b;

cout<<"ENTER THIRD NO=";

cin>>h;

avg=(l+b+h)/3;

cout<<"AVERAGE OF THREE NO IS="<<avg;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int sq,a;

cout<<"ENTER A NO=";

cin>>a;

sq=a\*a;

cout<<"SUARE OF A"<<a<<" IS="<<sq;

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 l,b;

cout<<"ENTER FIRST NO=";

cin>>l;

cout<<"ENTER SECOND NO=";

cin>>b;

cout<<"FIRST NO="<<b<<endl<<"SECOND NO"<<l;

return 0;

}

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

#include<iostream>

using namespace std;

int main()

{

int l,b;

cout<<"ENTER FIRST NO=";

cin>>l;

cout<<"ENTER SECOND NO=";

cin>>b;

if(l>b)

cout<<"max="<<l;

else

cout<<"max="<<b;

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 n=10;

int sum=0;

cout<<"ENTER ARRAY SIZE=";

cin>>n;

int a[n];

cout<<"ARRAY ELEMENTS UPTO "<<n<<" size="<<endl;

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

cin>>a[i];

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

sum=sum+a[i];

cout<<"SUM OF ALL ELEMENTS="<<sum;

return 0;

}