Assignment - 23

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

Code

#include<iostream>

using namespace std;

int main()

{

    cout<<"Hello MySirG";

    return 0;

}

Output

Hello MySirG

2. Write a C++ program to print Hello on the first line and MySirG on the second line

using endl.

Code

#include<iostream>

using namespace std;

int main()

{

    cout<<"Hello"<<endl<<"MySirG";

    return 0;

}

Output

Hello

MySirG

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1,n2;

    cout<<"Enter value n1 : ";

    cin>>n1;

    cout<<"Enter value n2 : ";

    cin>>n2;

    cout<<"the sum of(n1,n2) : "<<n1+n2;

    return 0;

}

Output

Enter value n1 : 4

Enter value n2 : 5

the sum of(n1,n2) : 9

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1;

   float a;

    cout<<"Enter radius : ";

    cin>>n1;

    a = 3.14\*n1\*n1;

    cout<<"the area of circle : "<<a;

    return 0;

}

Output

Enter radius : 7

the area of circle : 153.86

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

Code

#include<iostream>

using namespace std;

int main()

{

   int l,b,h;

   int v;

    cout<<"Enter length(l) : ";

    cin>>l;

    cout<<"Enter breadth(b) : ";

    cin>>b;

    cout<<"Enter height(h) : ";

    cin>>h;

    v = l\*b\*h;

    cout<<"the volume of cuboid(l,b,h) : "<<v;

    return 0;

}

Output

Enter length(l) : 3

Enter breadth(b) : 4

Enter height(h) : 5

the volume of cuboid(l,b,h) : 60

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1,n2,n3;

   int avg;

    cout<<"Enter number 1 : ";

    cin>>n1;

    cout<<"Enter number 2 : ";

    cin>>n2;

    cout<<"Enter number 3 : ";

    cin>>n3;

    avg = n1+n2+n3;

    cout<<"the average of numbers : "<<avg/3;

    return 0;

}

Output

Enter number 1 : 3

Enter number 2 : 4

Enter number 3 : 5

the average of numbers : 4

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1;

   float a;

    cout<<"Enter number : ";

    cin>>n1;

    a = n1\*n1;

    cout<<"the square of number : "<<a;

    return 0;

}

Output

Enter number : 3

the square of number : 9

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1,n2;

    cout<<"Enter value n1 : ";

    cin>>n1;

    cout<<"Enter value n2 : ";

    cin>>n2;

    n1 = n1 + n2;

    n2 = n1 - n2;

    n1 = n1 - n2;

    cout<<"the sum of(n1,n2) : ("<<n1<<","<<n2<<")";

    return 0;

}

Output

Enter value n1 : 3

Enter value n2 : 5

the sum of(n1,n2) : (5,3)

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1,n2;

    cout<<"Enter value n1 : ";

    cin>>n1;

    cout<<"Enter value n2 : ";

    cin>>n2;

    if(n1>n2)

    cout<<"the greatest number : "<<n1;

    else

    cout<<"the greatest number : "<<n2;

    return 0;

}

Output

Enter value n1 : 3

Enter value n2 : 5

the greatest number : 5

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

Code

#include<iostream>

using namespace std;

int main()

{

   int n1;

  int a[100];

  int i;

  int sum=0;

    cout<<"Enter number of elements : ";

    cin>>n1;

    cout<<"Enter "<<n1<<" of elements : ";

    for(i=0;i<n1;i++)

    cin>>a[i];

   for(i=0;i<n1;i++)

   sum = sum + a[i];

    cout<<"the sum of elements are : "<<sum;

    return 0;

}

Output

Enter number of elements : 10

Enter 10 of elements : 1 1 1 1 1 1 1 1 1 1

the sum of elements are : 10