

Basic Of C++

Assignment:-23

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

Ans:-

```
#include<iostream>
#include<conio.h>
int main()
{
    std::cout<<"Hello MySirG";
    getch();
}
```

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

Ans:-

```
#include<iostream>
#include<conio.h>
int main()
{
    std::cout<<"Hello"<<std::endl<<"MySirG";
    getch();
}
```

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

Ans:-

```
#include<iostream>
#include<conio.h>
using namespace std;
int main()
{
    int a,b;
    cout<<"Enter Two number";
    cin>>a>>b;
    cout<<"Sum is="<<a+b;
    getch();
}
```

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

Ans:-

```
#include<iostream>
#include<conio.h>
using namespace std;
int main()
{
    int r;
    float area;
    cout<<"Enter the radius of the circle";
    cin>>r;
```

```

    cout<<"Area of Circle is"<<3.14*r*r;
    getch();
}

```

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

Ans:-

```

#include<iostream>
using namespace std;
int main()
{
    int a,b,c;
    cout<<"Enter the length,width and hight of the cuboid";
    cin>>a>>b>>c;
    cout<<"Volume of the cuboid is"<<a*b*c;
    return 0;
}

```

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

Ans:-

```

#include<iostream>
using namespace std;
int main()
{
    int a,b,c;
    float avg;
    cout<<"Enter three number:--";
    cin>>a>>b>>c;
    avg=(a+b+c)/3.0;
    cout<<"Average of three number is"<<avg;
    return 0;
}

```

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

Ans:-

```

#include<iostream>
using namespace std;
int main()
{
    int 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 number:--";
cin>>a>>b;
a=(a*b)/(b=a);
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 number:--";
    cin>>a>>b;
    if(a>b)
        cout<<"Maximum number is="<<a;
    else
        cout<<"Maximum number is="<<b;
    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]={10,20,30,40,50,60,70,80,90,100},i,sum=0;
    for(i=0;i<10;i++)
        sum+=a[i];
    cout<<"Sum of 10 numbers is="<<sum;
    return 0;
}

```