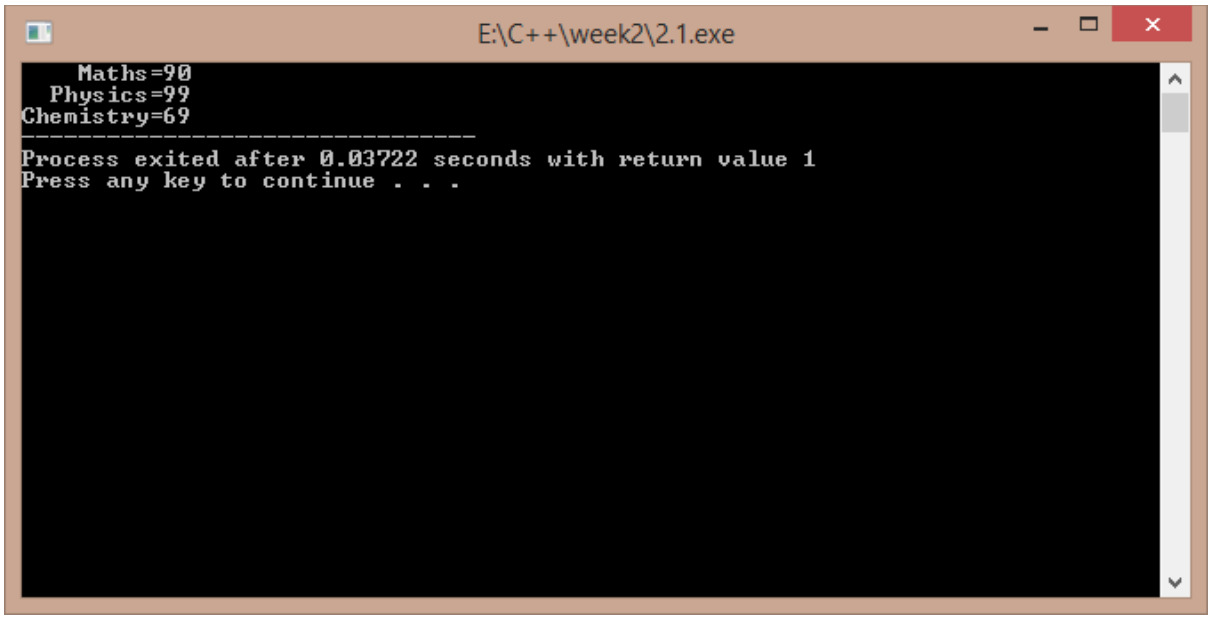
PROGRAMMING EXERCISE

2.1)

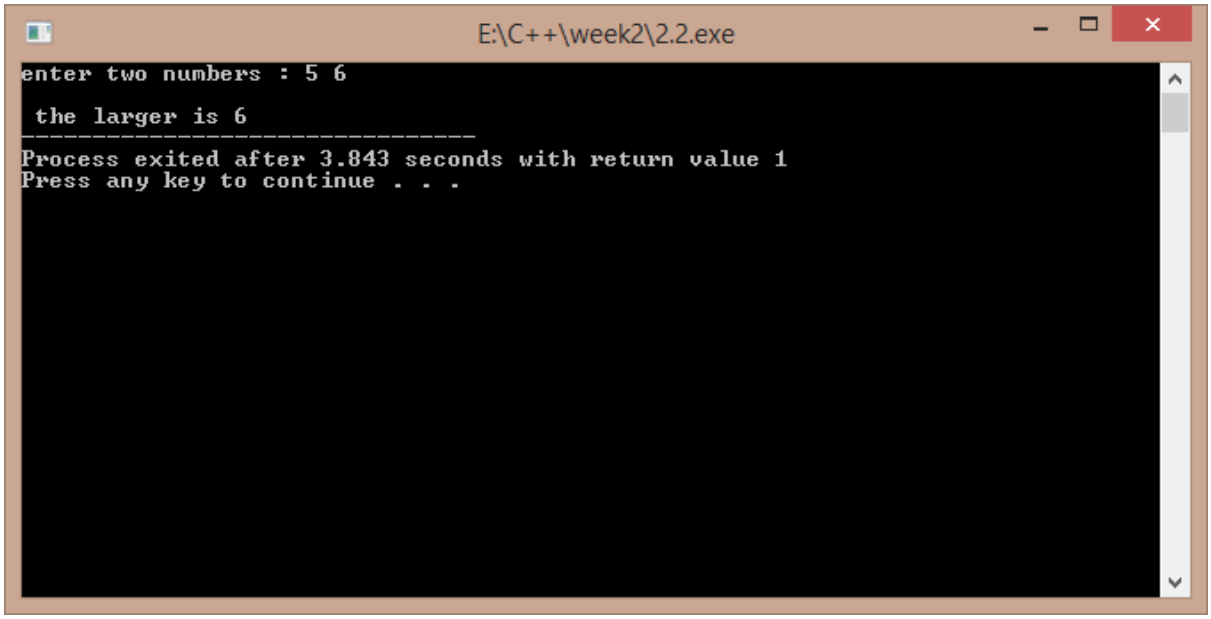
```
//C++ program to print a desired output

#include<iostream>

using namespace std;

int main()

{

        cout<<"    Maths=90\n  Physics=99\nChemistry=69";

        return 1;

}
```



2.2)

```
//a c++ program to find larger of two numbers

#include<iostream>
```

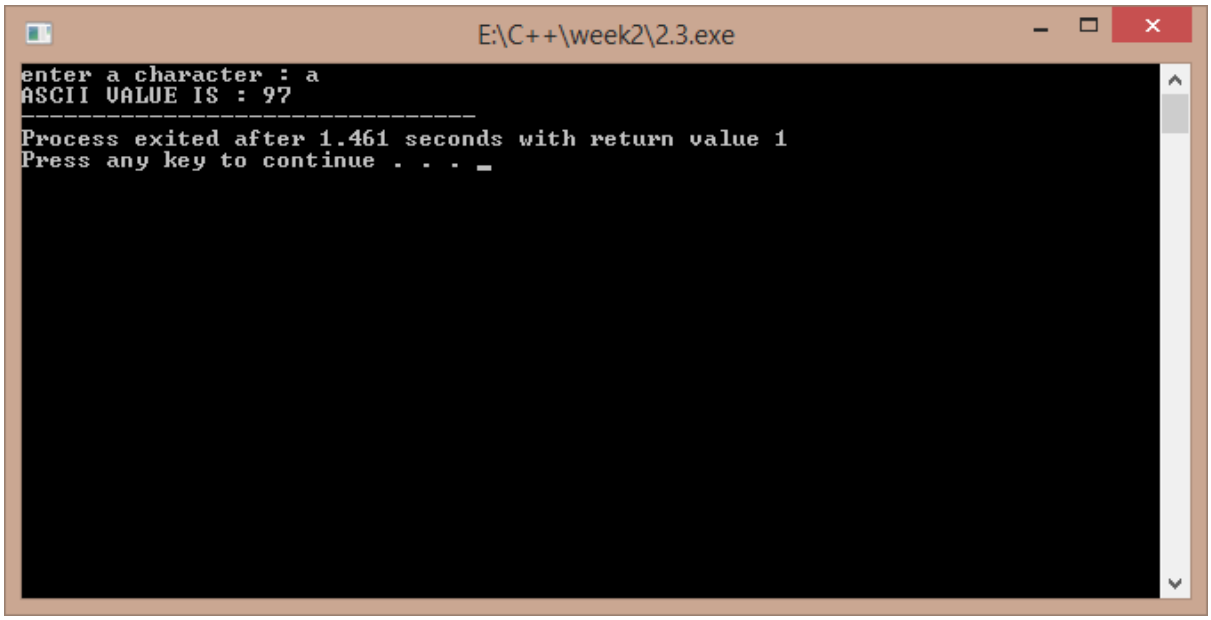
```
using namespace std;

int main()

{

        int a,b;

        cout<<"enter two numbers : ";

        cin>>a>>b;

        if(a>b)

        cout<<"\nthe larger is "<<a;

        else

        cout<<"\n the larger is "<<b;

        return 1;

}
```



2.3)

```
//c++ program to print the ascii value of a character

#include<iostream>

using namespace std;
```

```
int main()
{
	char ch;
	cout<<"enter a character : ";
	cin>>ch;
	cout<<"ASCII VALUE IS : "<<(int)ch;
	return 1;
}
```

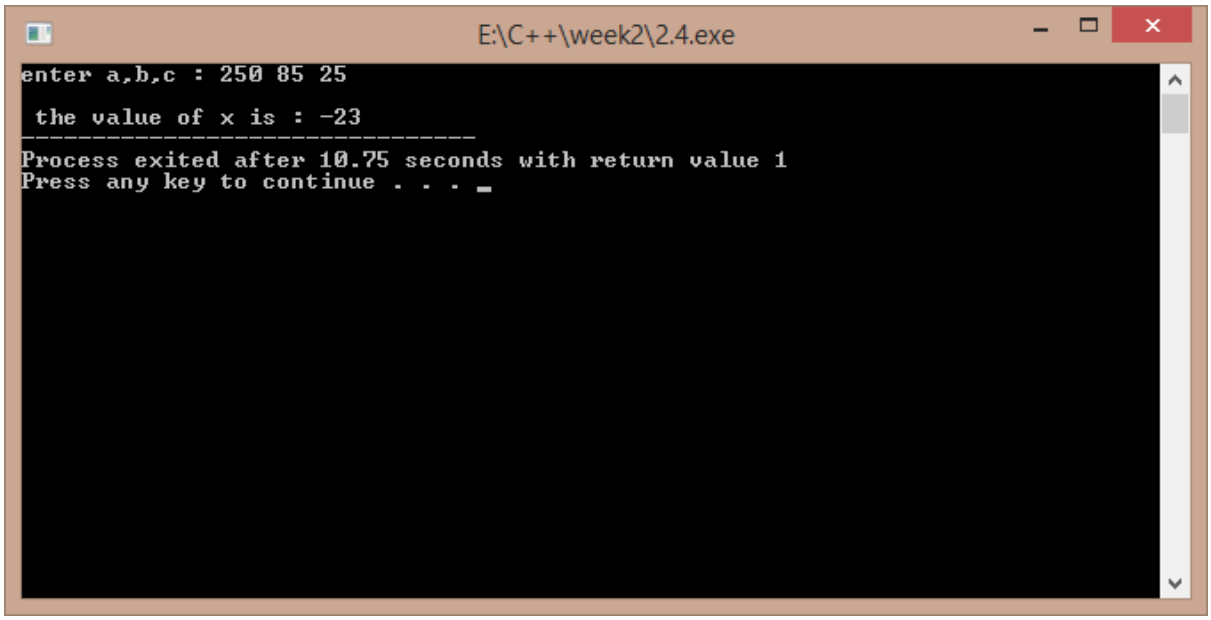


2.4)

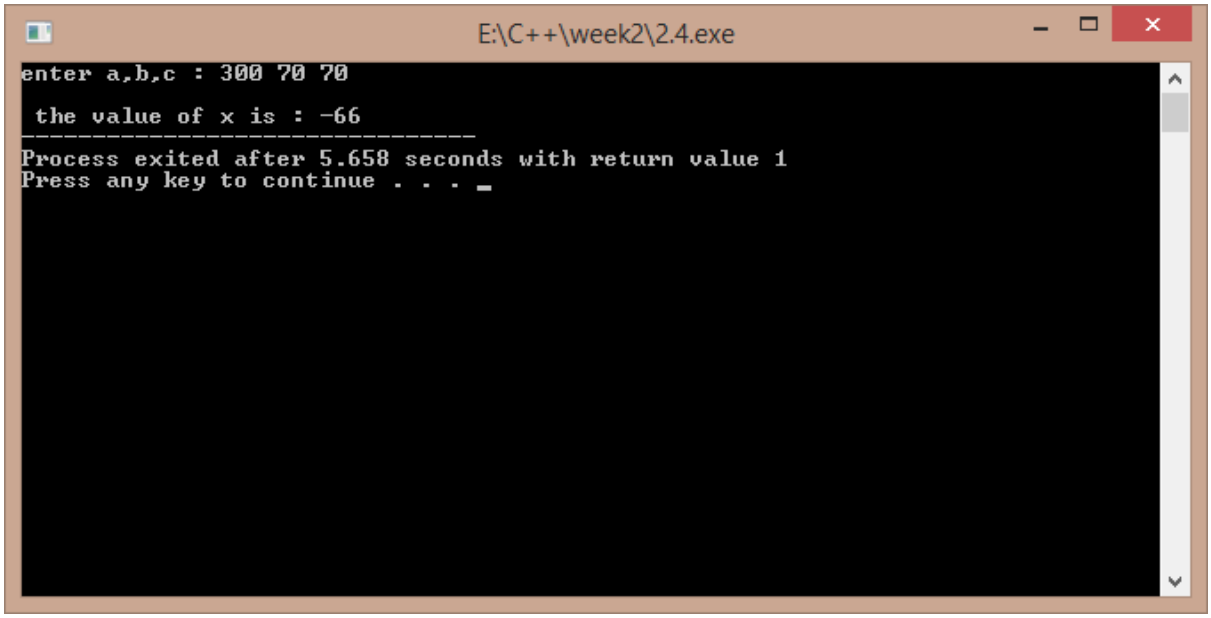
```
//c++ program to calculate an equation
#include<iostream>
using namespace std;
int main()
{
	cout<<"enter a,b,c : ";
	int a,b,c,x;
```

```
        cin>>a>>b>>c;

        x=a/b-c;

        cout<<"\n the value of x is : "<<x;

        return 1;

}
```

a)

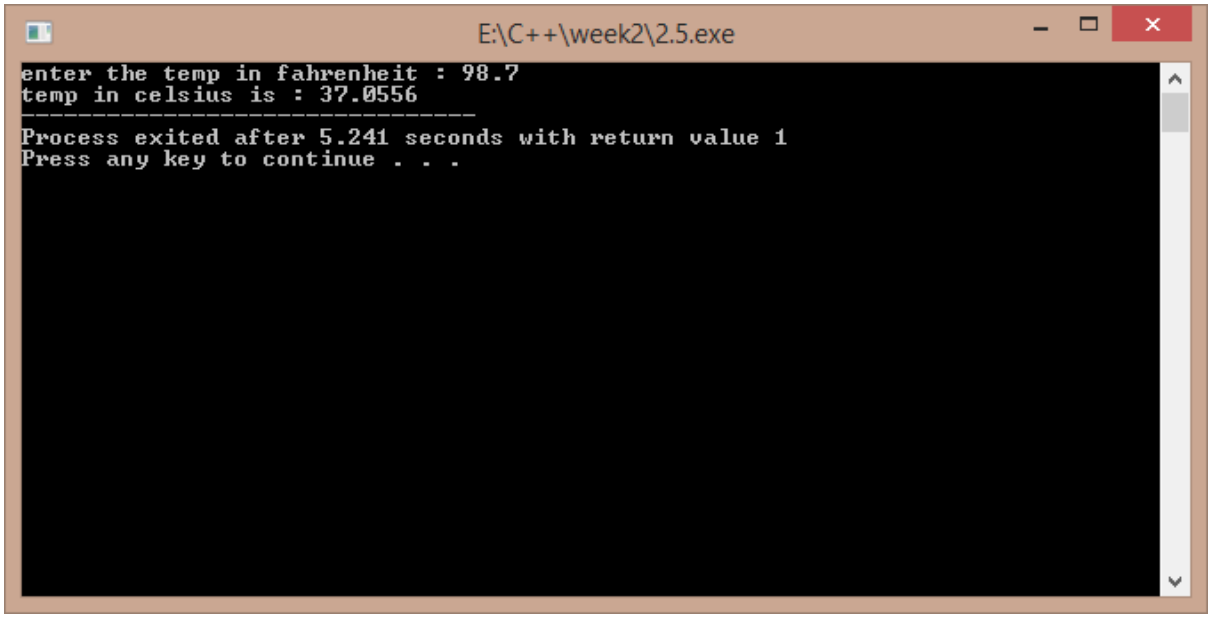


b)



2.5)

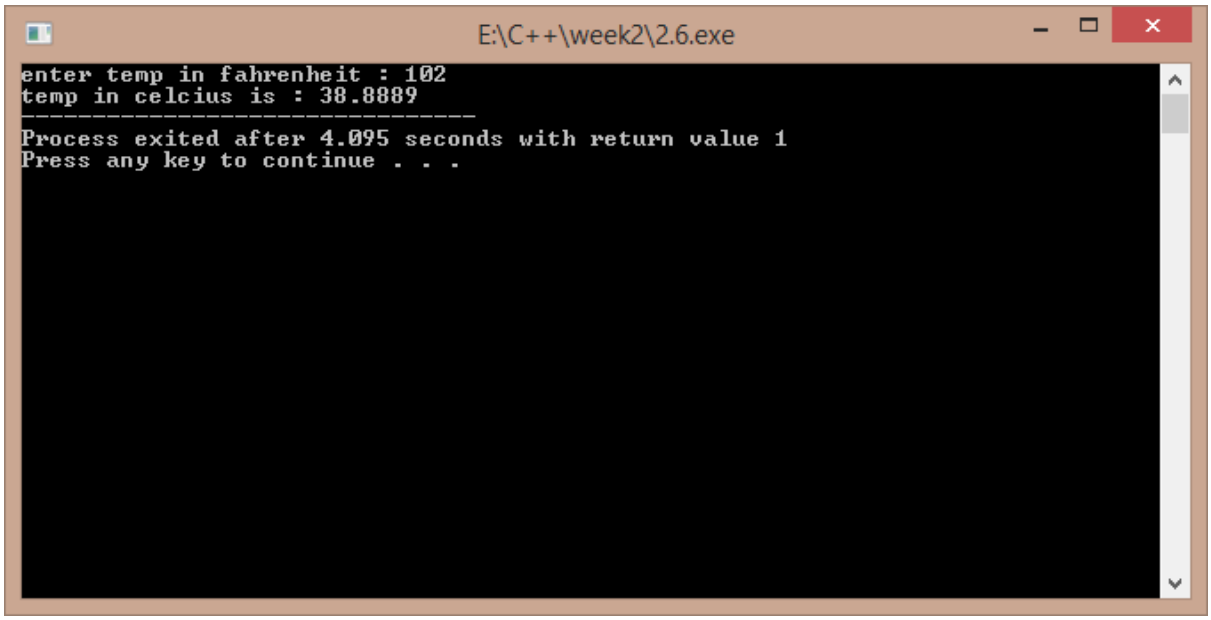
```
//c++ program to convert Fahrenheit to Celsius

#include<iostream>

using namespace std;

int main()

{

        float c,f;

        cout<<"enter the temp in fahrenheit : ";

        cin>>f;

        c=(5/9)*(f-32);

        cout<<"temp in celsius is : "<<c;

        return 1;

}
```



2.6)

```
/*c++ program to convert Fahrenheit to Celsius
Using objects created from a class */
#include<iostream>
using namespace std;
class temp
{
        float f,c;
        public:
                void get();
                void cel();
};
void temp::get()
                {
                        cout<<"enter temp in fahrenheit : ";
                        cin>>f;
                }
```

```
void temp::cel()
                {
                        c=5*(f-32)/9;
                        cout<<"temp in celcius is : "<<c;
                }
int main()
{
        temp t;
        t.get();
        t.cel();
return 1;
}
```



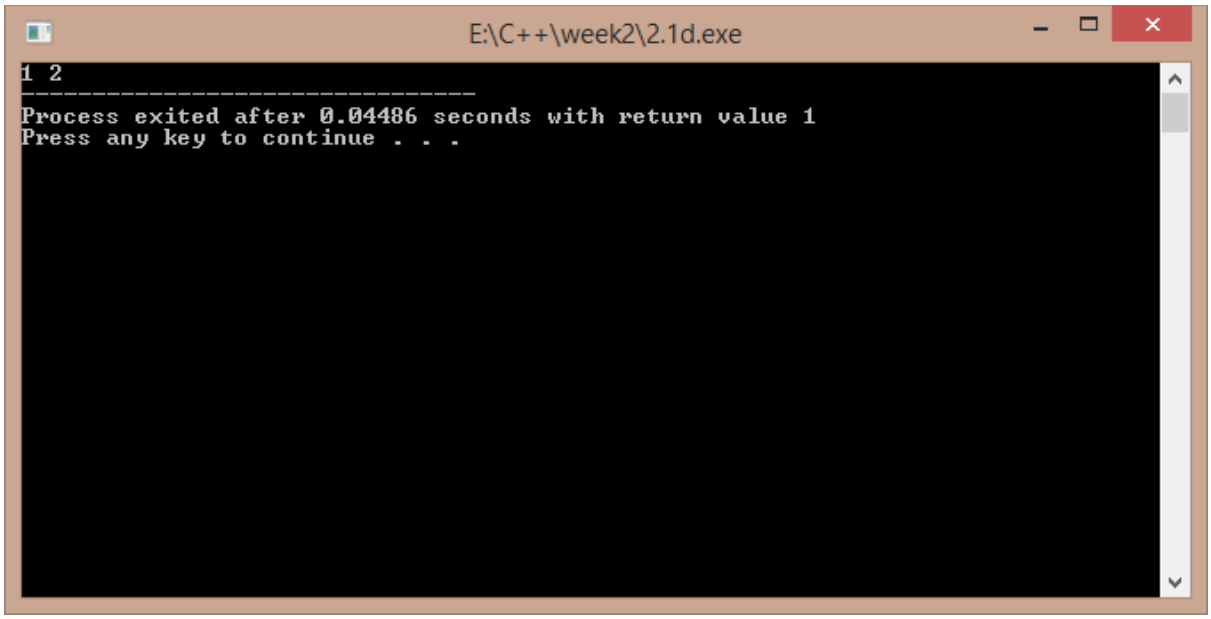
DEBUGGING EXERCISE

2.1)

```
#include<iostream>
```

```
using namespace std;

int main()

{
        int i=0;

        i=i+1;

        cout<<i<<" ";

        /*comment\*/i=i+1;                //7th line of program

        cout<<i;

}
```

' / ' should be removed from the 7th line

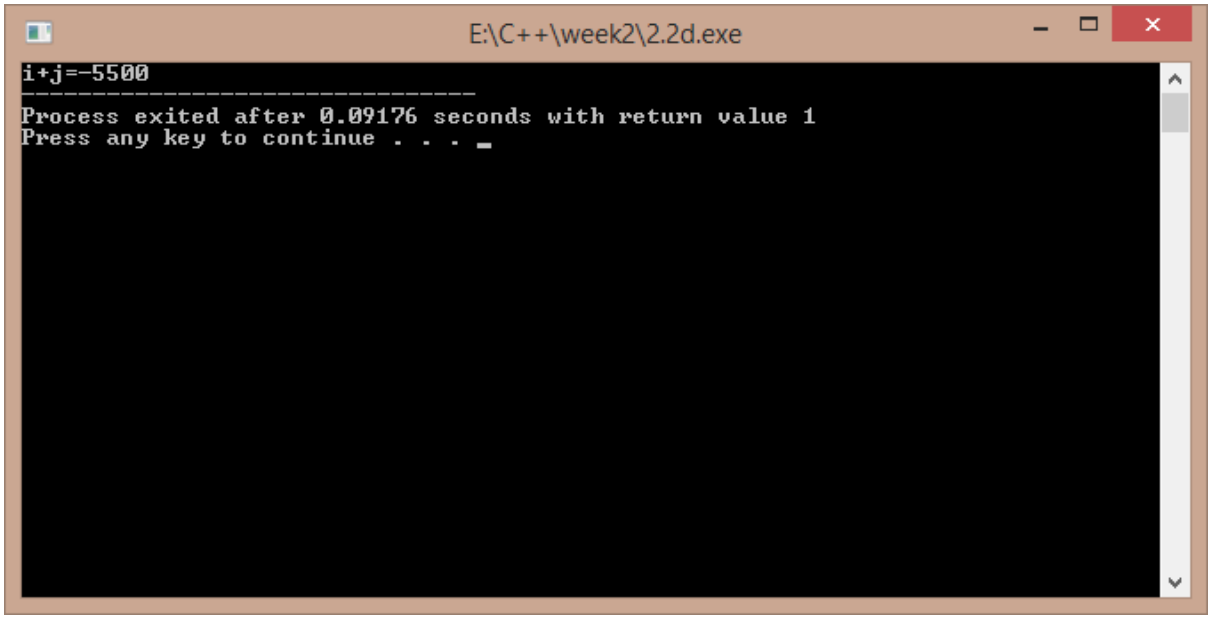


2.2)

```
#include<iostream>

using namespace std;

int main()

{
        short i=2500,j=3000;
```

```
        cout<<"i+j="<<-(i+j);                    //6th line
return 1;
}
```

In 6th line insertion operator must be used , not the extraction operator ..



2.3)

```
#include<iostream>
using namespace std;
int main()
{
        int i=10,j=5;
        int modResult=0;
        int divResult=0;
        modResult=i%j;
        cout<<modResult<<" ";
        divResult=i/modResult;                   //10th line
        cout<<divResult;
        return 1;
```

}

This code will generate a compiler error because in tenth line I is being divided by zero ..