```cpp
#include<iostream>

using namespace std;

int main(){

        int a,b,x;

        while(1){


                cout<<" 1.Addition:"<<endl;

                cout<<" 2.Subtraction:"<<endl;

                cout<<" 3.Multiplication:"<<endl;

                cout<<" 4.Division:"<<endl;

                cout<<"enter your choice :"<<endl;

                cin>>x;



        switch (x)

        {

                case 1:

                        cout<<"enter two number :";

                        cin>>a>>b;



                        cout<<" sum is:"<<"="<<a+b<<endl;

                        break;


                case 2:

                        cout<<"enter two number :";

                        cin>>a>>b;



                        cout<<"sub is:"<<"="<<a-b<<endl;

                        break;
```

```cpp
		case 3:
			cout<<"enter two number :";
			cin>>a>>b;

			cout<<" mul is:"<<"="<<a*b<<endl;
			break;


		case 4:
			cout<<"enter two number :";
			cin>>a>>b;

			cout<<"div is:"<<"="<<a/b<<endl;
			break;



		default :
			cout<<"Invalid choise:"<<endl;
	}
}


	cout<<endl;


	return 0;
}
```