/* Switch Case Example */

```cpp
#include<iostream.h>
#include<conio.h>
#include<stdlib.h>

void main()
{
    int ch;
    int a,b,c,n;

    cout<<"1. Addition of two numbers";
    cout<<"\n2. Substraction between two numbers";
    cout<<"\n3. Multiplication between two numbers";
    cout<<"\n4. Find maximum among two numbers";
    cout<<"\n5. Swapping the two numbers with 3rd variable";
    cout<<"\n6. Find the sum of digits of a 3-digit number with out loop";
    cout<<"\n7. Find the reverse of digits of a 3-digit number with out loop";
    cout<<"\n0. Exit from application";

    while(1)
    {
        cout<<"\n\nEnter the choice: ";
        cin>>ch;
        switch(ch)
        {
            case 1:
                    cout<<"Enter the numbers: ";
                    cin>>a>>b;
                    c = (a + b);
                    cout<<"Sum is: "<<c;
                    break;
            case 2:
                    cout<<"Enter the numbers: ";
                    cin>>a>>b;
```

```cpp
                c = (a - b);
                cout<<"Difference is: "<<c;
                break;
        case 3:

                cout<<"Enter the numbers: ";
                cin>>a>>b;
                c = (a * b);
                cout<<"Multiplication is: "<<c;
                break;
        case 4:

                cout<<"Enter the numbers: ";
                cin>>a>>b;

                if(a>b)
                {
                    cout<<"Maximum is: "<<a;
                }
                else
                {
                    cout<<"Maximum is: "<<b;
                }
                break;
        case 5:

                cout<<"Enter the numbers: ";
                cin>>a>>b;

                c = a;
                a = b;
                b = c;
                cout<<"Swapped Value of a is: "<<a;
                cout<<"\nSwapped Value of b is: "<<b;
                break;
        case 6:

                int sum;
                cout<<"Enter the number: ";
                cin>>n;
```

```cpp
                        a = n%10;
                        b = (n/10)%10;
                        c = (n/10)/10;
                        sum = (a + b + c);
                        cout<<"\nSum of digit is: "<<sum;
                        break;

            case 7:
                    int sum1;
                        cout<<"Enter the number: ";
                        cin>>n;

                        a = n%10;
                        b = (n/10)%10;
                        c = (n/10)/10;
                        sum1 = (a*100 + b*10 + c*1);
                        cout<<"\nReverse of digit is: "<<sum1;
                        break;
            case 0: exit(0);
            default:
                        cout<<"Wrong Input";
        }
    }

}
```

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