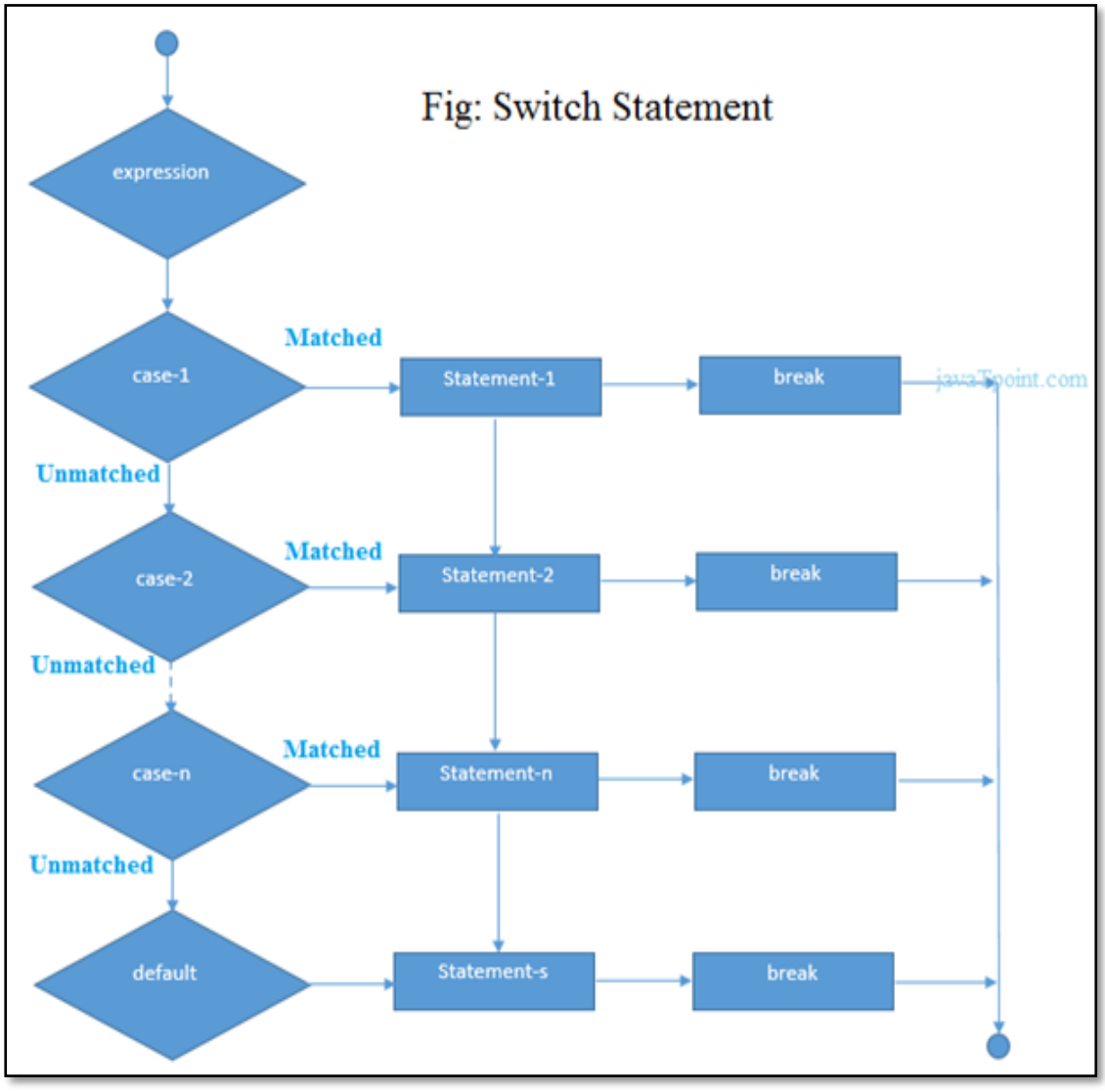
C++ Notes – Switch Case – 03112020

The C++ switch statement executes one statement from multiple conditions. It is like if-else-if ladder statement in C++.

Syntax –

```
switch(expression)
{
    case value1:    //code to be executed;    break;
    case value2:    //code to be executed;    break;
    ......
    default:        //if all cases are not matched;    break;
}
```



Example -

```
#include<iostream.h>
#include<conio.h>
void main ()
{
        int num;
        cout<<"Enter a number to check grade:";
        cin>>num;
        switch (num)
        {
          case 10: cout<<"It is 10";                    break;
          case 20: cout<<"It is 20";                    break;
          case 30: cout<<"It is 30";                    break;
          default: cout<<"Not 10, 20 or 30";            break;
        }
}
```

/* Switch Case Example */

```
#include<iostream.h>
#include<conio.h>
void main()
{
                        int ch;
                        int a,b,c;
                        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";

                        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;
                    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;
            default:
                    cout<<"Wrong Input";
        }
    }

}
```

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