JUMP STATEMENT IN C

Jump statements are used to interrupt the normal flow of program.

Types of Jump Statements

- Break
- Continue
- GoTo

Task#1: Run and test the following codes.

The break statement is used inside loop or switch statement. When compiler finds the break statement inside a loop, compiler will abort the loop and continue to execute statements followed by loop.

Example of break statement

```
#include<stdio.h>

void main()
{
    int a=1;

    while(a<=10)
     {
        if(a==5)
          break;

         printf("\nStatement %d.",a);
        a++;
     }
```

```
        printf("\nEnd of Program.");
}
```

Output :

```
Statement 1.
Statement 2.
Statement 3.
Statement 4.
End of Program.
```

CONTINUE STATEMENT

The continue statement is also used inside loop. When compiler finds the break statement inside a loop, compiler will skip all the followling statements in the loop and resume the loop.

Example of continue statement

```
#include<stdio.h>

void main()
{
    int a=0;

    while(a<10)
     {
```

```
            a++;

            if(a==5)
              continue;

             printf("\nStatement %d.",a);

          }
             printf("\nEnd of Program.");
   }
```

Output :

```
        Statement 1.
        Statement 2.
        Statemnet 3.
        Statement 4.
        Statement 6.
        Statement 7.
        Statement 8.
        Statement 9.
        Statement 10.
        End of Program.
```

GOTO STATEMENT

The goto statement is a jump statement which jumps from one point to another point within a function.

Syntax of goto statement

```
goto label;
    - - - - - - - - - -
    - - - - - - - - - -
label:
    - - - - - - - - - -
    - - - - - - - - - -
```

In the above syntax, label is an identifier. When, the control of program reaches to goto statement, the control of the program will jump to the label: and executes the code after it.

Example of goto statement

```
#include<stdio.h>

void main()
{
        printf("\nStatement 1.");
        printf("\nStatement 2.");
        printf("\nStatement 3.");

        goto last;

        printf("\nStatement 4.");
        printf("\nStatement 5.");

        last:
```

```
        printf("\nEnd of Program.");
    }
```

Output :

```
    Statement 1.
    Statement 2.
    Statement 3.
    End of Program.
```

Task #2
Write a program to find leap years. Use continue and break in for loop to take 10 differnt years.
[Hint: A leap year is 366 days].