Switch statements:

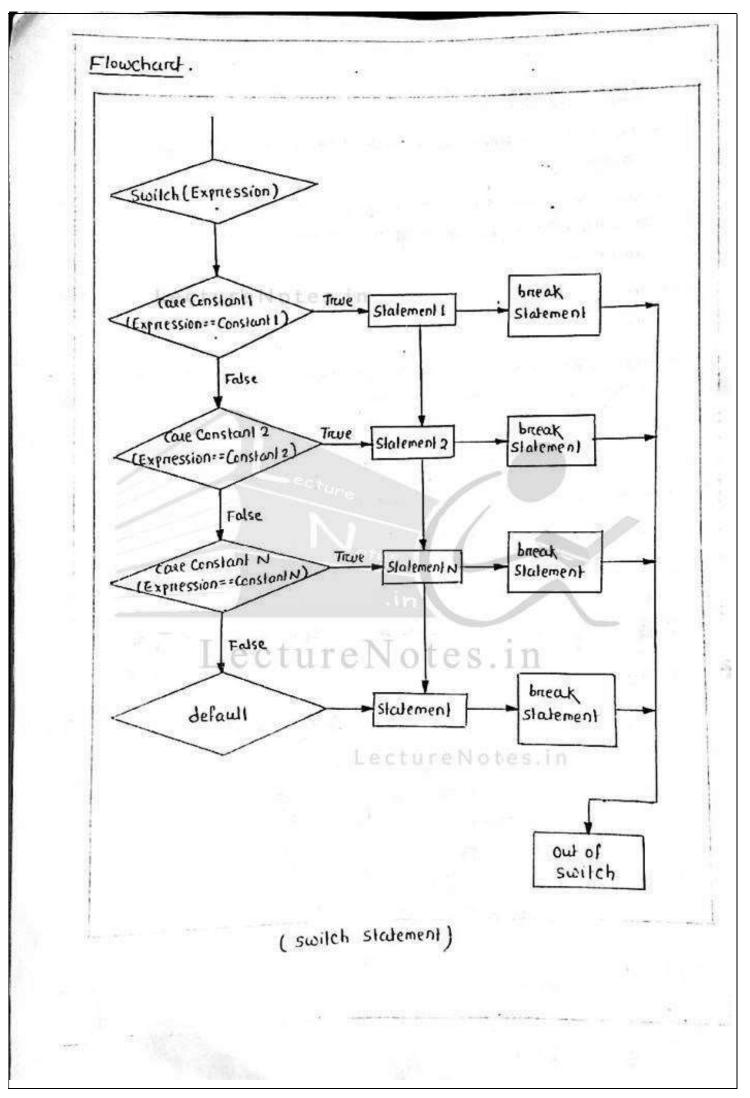
- → The switch statement is a multi-directional Conditional Control Statement.
- → Sometimes there is a need in program to make choice among number of alternatives. For making this choice, we use the switch statement.
- → The switch Statement nequines only one argument of any data type, which is checked with number of care options.
- The switch statement evaluates expression and then looks for its. value among the case constants.
- → If value matches with the care constants, this particular care statement is executed and if not, default is executed.
- -> Here switch, case, and default one neserved words.
- Every case statement terminates with ":".
- → The break statement is used to exit from the current case structure.
- The switch statement is useful for writting menu driven program.

→ Syntax :

```
Switch (variable on expression)

{
    Case 'Constant!':
        Statement!;
        break;
        Statement;
        break;
        default:
        statement;
        break;

default:
```



```
Example: 1x program to perform anithmetic calculations on integers */
# include <sldio.h>
# include (conio.h)
() main()
   chan op;
   int a,b;
  Chucac):
  printf (" Enter number operator and another number:");
   scanf (" 1.d 1.c 1.d", &a, 20p, &b);
 Switch (OP)
  1
     Care '+':
        printf (" Result = 1.d/n", a+b);
         brak:
     Care '-' :
         preint ("Result = 1/d/n", a-b);
          break;
     Case 'x';
          prontf ( " Result = 1 dln", axb);
           break ;
      Case 11:
          printf (" Result = 1.d \n", a/b);
          break;
      care "1.":
           printf (" Result = 1.dln", a1.h);
            break;
     default :
          printf ("Enter valid operation");
     gelch();
```

```
output: Enter number operator and another number:
          2+5
          Result = 7
 Example: /* program to find whether the alphabel is a vowel or
             Consonant * /
 # include <sidio.h>
 # include comio. hy les. in
  void main()
  ٤
     chan ch;
     chacket;
     Printf ( " Enter an alphabet In: ");
     scanf ("1.c", 2ch);
   Switch (ch)
        Care 'a' : care 'A' :
        Care 'e' : care 'E':
        ( are 'i'; care 'I':
         (are 'o': care 'O':
             prints (" Alphabet is a vowel \n");
             briedic ;
    defaul :
        prints (" niphatel is a vowed consonant \n");
  gerch();
output: Enter an alphabet: a
           Alphahel is a vowel
```