

CHAPTER 4

(DAY 1 after noon)

CONDITIONAL FLOW

CONDITIONAL EXECUTION IN C (Reading)
SAMPLE PROGRAMS USING CONDITIONS
WHICH IF, WHICH ELSE
LOGICAL OPERATORS IN IF STATEMENT

CHAPTER – 4

CONDITIONAL FLOW (Reading)

CONDITIONAL EXECUTION IN C

if else:

The flow of execution of the code can be controlled as desired with the conditional checks by the use of the keywords *if* and *else*. The execution will not loop back to the beginning of the statement but takes alternate paths if the condition is not satisfied. The statements under the first condition satisfied will be executed and other conditions are not checked. Next condition is tested only when the previous conditions have failed.

```
if ( condition 1 )  
    statement1;  
else if ( condition 2 )  
    statement2;  
else if ( condition 3 )  
    statement3;  
else  
    statement4;
```

nested if else:

```
if ( condition 1 )  
    if (condition a)  
        statement a;  
    else (condition b)  
        statement b;  
else if ( condition 2 )  
    if (condition a)  
        statement a;  
    else (condition b)  
        statement b;
```