

C Language

Chapter # 11

Decision Constructs

Lecture: 26

Today's Lecture

▶ “if else” Statement

“if else” statement

- ▶ if else statement is another type of if statement.
- ▶ It executes one block of statement when the condition is true and other when it is false.
- ▶ In any situation, one block is executed and other is skipped.

In if else statement:

- ▶ Both blocks of statements can never be executed.
- ▶ Both blocks of statements can never be skipped.

“if else” statement

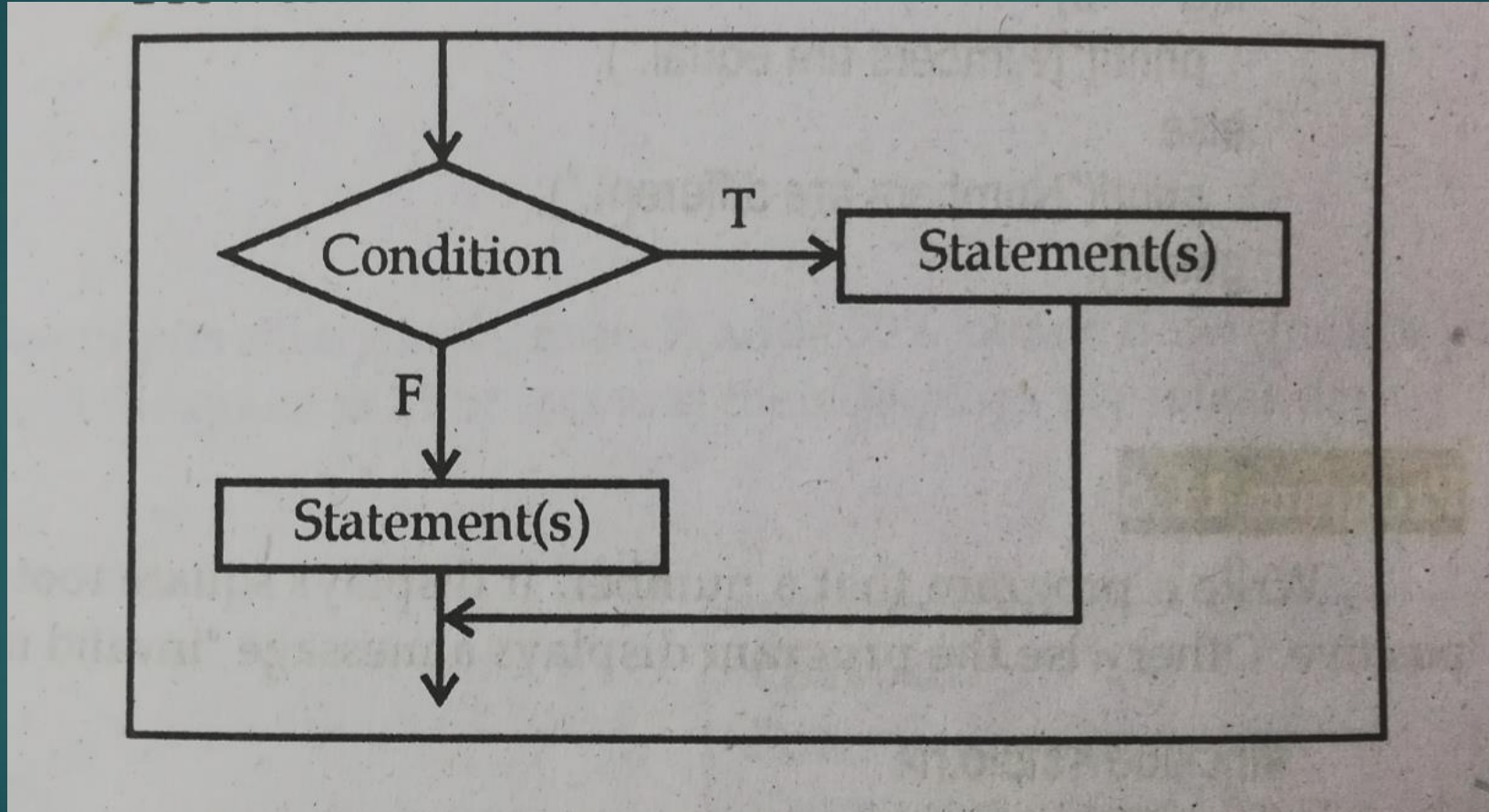
Syntax:

```
If(condition)
Statement;
else
Statement;
```

Syntax for compound condition:

```
If(condition)
{
Statement 1;
Statement 2;
Statement 3;
}
else
{
Statement 1;
Statement 2;
Statement 3;
}
```

Flowchart ("if else" statement)



Example

Write a program that inputs marks and display "You have passed". If the marks are 40 or more and display "You failed the exam". if marks are less than 40.

```
#include <stdio.h>
#include <conio.h>
main()
{
    int marks;
    printf("Enter your marks");
    scanf("%d", marks);
    if(marks >=40)
        printf("You have passed");
    else
        printf("You failed the exam");
}
```

The End

Read this topic from your books and ask question if any confusion.

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