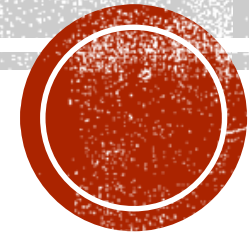




# COMPUTER PROGRAMMING CONCEPTS



CS&IT 1101

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# LECTURE 9: JAVA SELECTION STATEMENT

# OUTLINES

- Nested if else statement
- Java if-else-if ladder statement  
“multiple selection”

# TASK

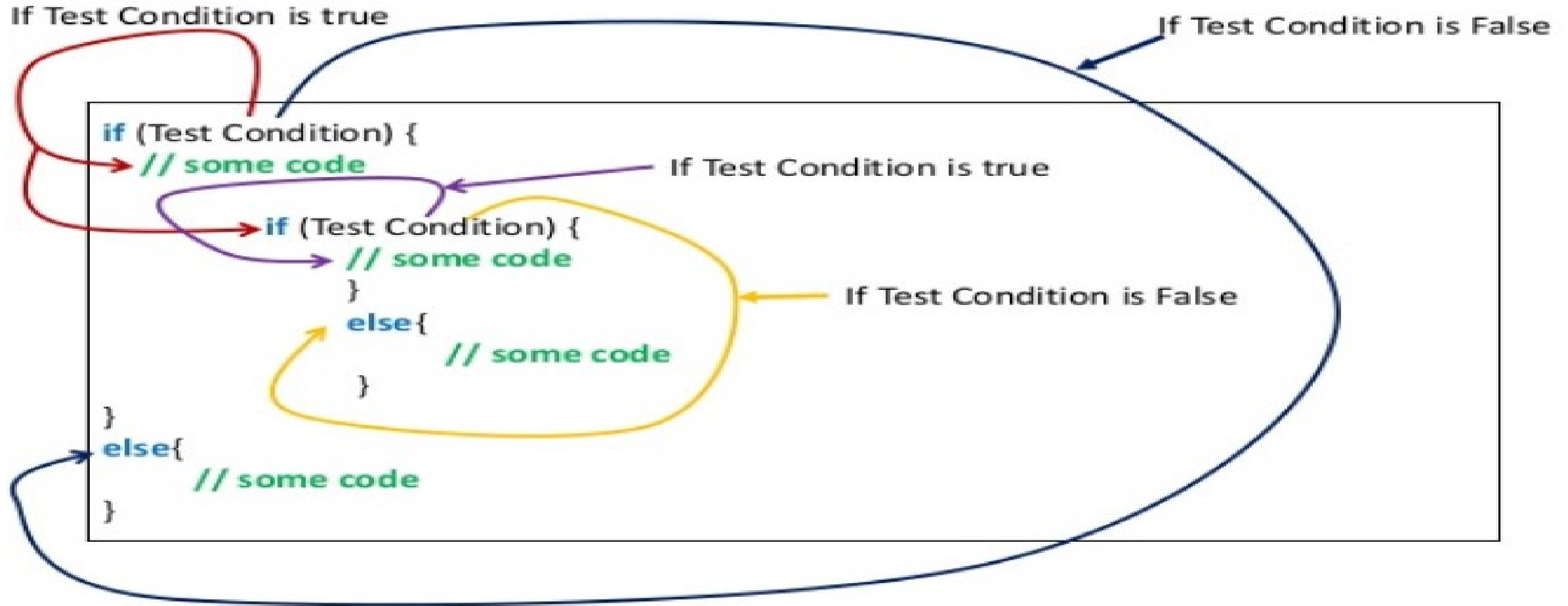
- Write a Java program to check whether a triangle is valid or not, when the three angles of the triangle are entered by the user. A triangle is valid if the sum of all the three angles is equal to 180 degrees.

# NESTED IF ELSE STATEMENT

- When a if condition is included in the if block of some other if condition then those are called nested ifs.

```
if (...)  
{  
    // some code  
    if (...)  
    { // some code }  
    Else  
        { // some code }  
        Else  
            { // some code }  
}
```

# NESTED IF ELSE STATEMENT



# THE IF....ELSE....IF ....ELSE STATEMENT

- The if-else-if ladder statement executes one condition from multiple statements.

- **Syntax:**

```
if(condition1)
```

```
{ //code to be executed if condition1 is true }
```

```
else
```

```
    if(condition2)
```

```
    { //code to be executed if condition2 is true }
```

```
    else
```

```
        if(condition3)
```

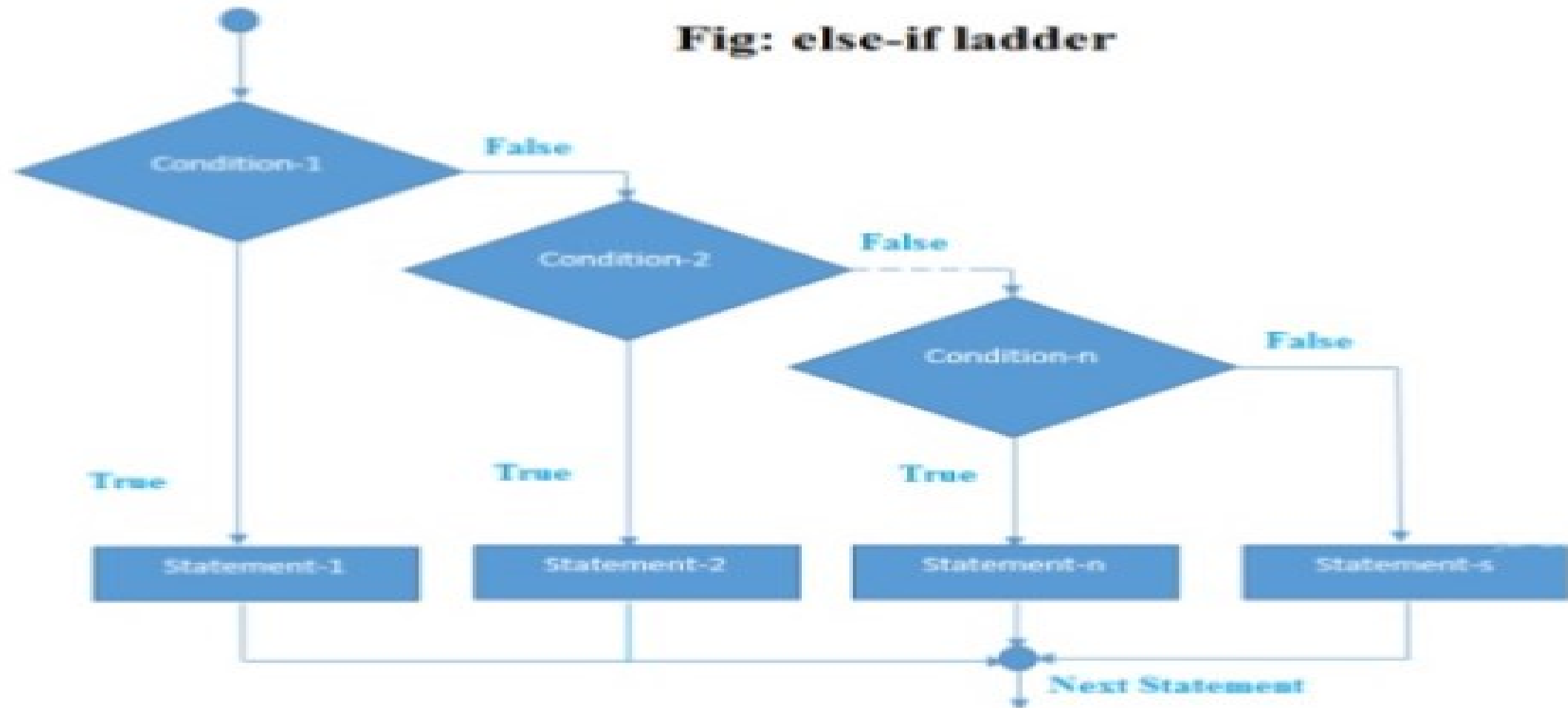
```
        { //code to be executed if condition3 is true }
```

```
    ...
```

```
    else
```

```
    { //code to be executed if all the conditions are false }
```

# FLOW CHART OF IF..ELSE IF..ELSE STATEMENT





# THE IF....ELSE....IF ....ELSE EXAMPLE

- **if** student 's grade is greater than or equal to 90  
Print “ A ”
- **else If** student 's grade is greater than or equal to 80  
Print “ B ”
- **else If** student 's grade is greater than or equal to 70  
Print “ C ”
- else If** student 's grade is greater than or equal to 60  
Print “ D ”
- else**  
Print “ F ”

# EXAMPLE

- Write a program which prompt the user to enter a digit between **1** to **3** and display the digit entered by the user.
  - A bank gives loan in two situations
    1. If customer is male and his age is more than 25 and his salary is more than 25000
    2. If customer is a female and her age is more than 30 and her income is 20000
- Program: Ask user to enter age, gender(M/F) and income. Check whether heshe is eligible to get loan.

# THANK YOU.....

**DO YOU HAVE ANY QUESTIONS ?**

