



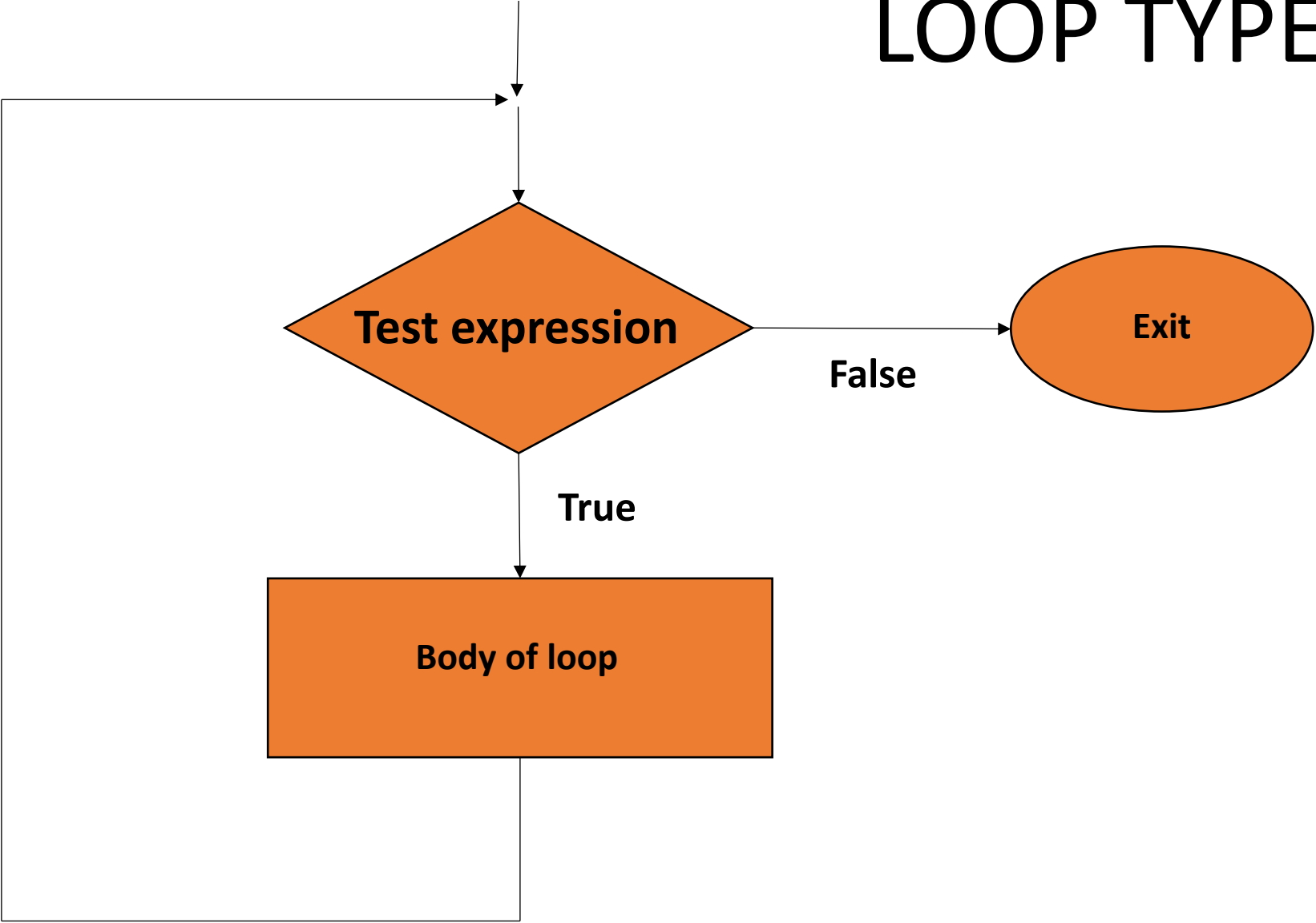
Faculty of Industrial Technology

Suan Sunandha Rajabhat University

สื่อการสอน วิชา การโปรแกรมคอมพิวเตอร์ FOE1101

ผศ.ดร.พรภวิษย์ บุญศรีเมือง

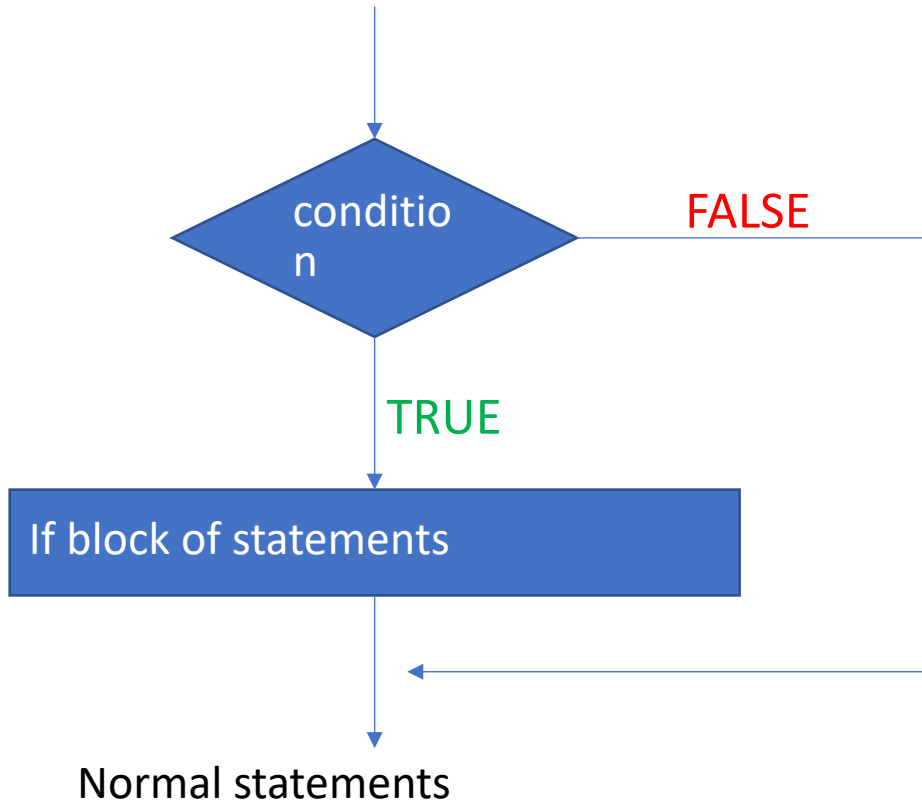
LOOP TYPES



LOOP TYPES

```
Syntax  
It ( condition )  
{  
....  
block of statements;  
....  
}
```

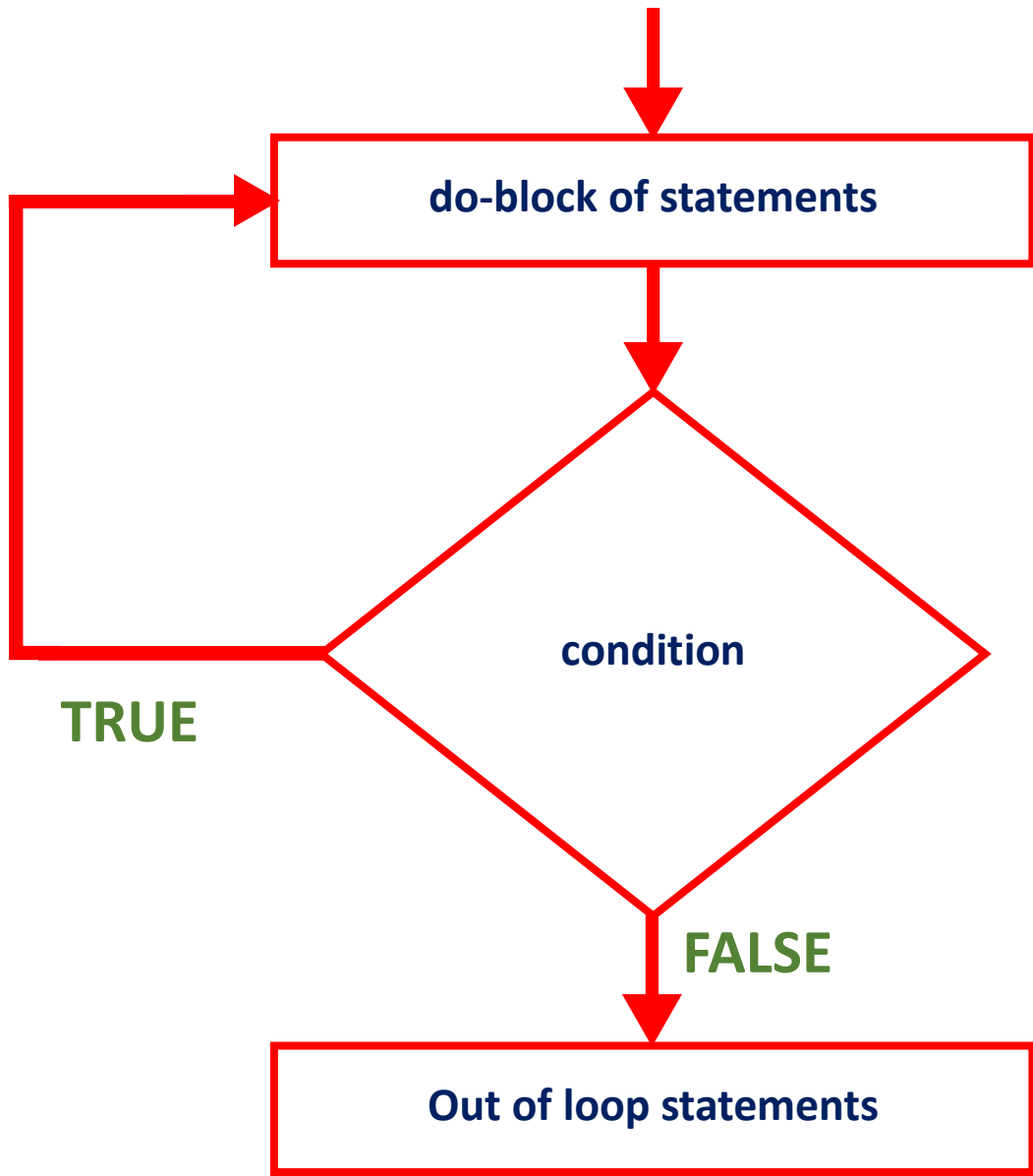
Execution flow diagram



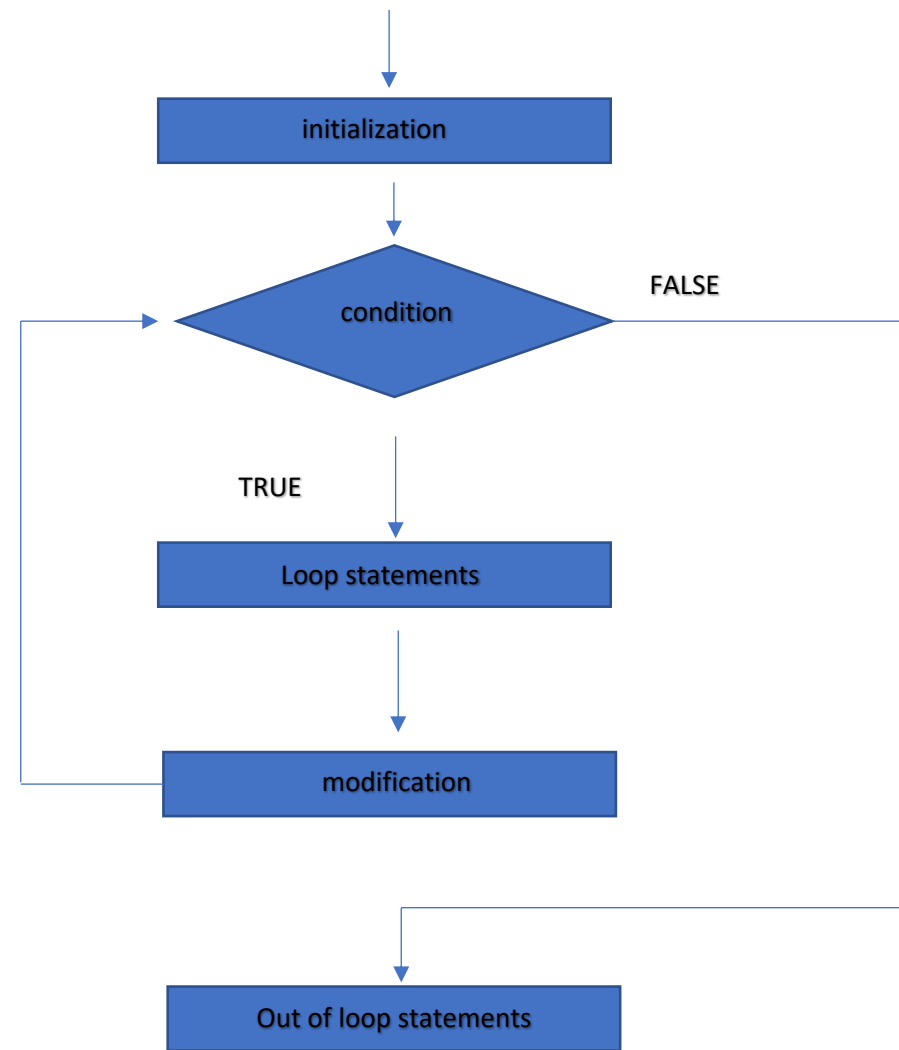
LOOP TYPES

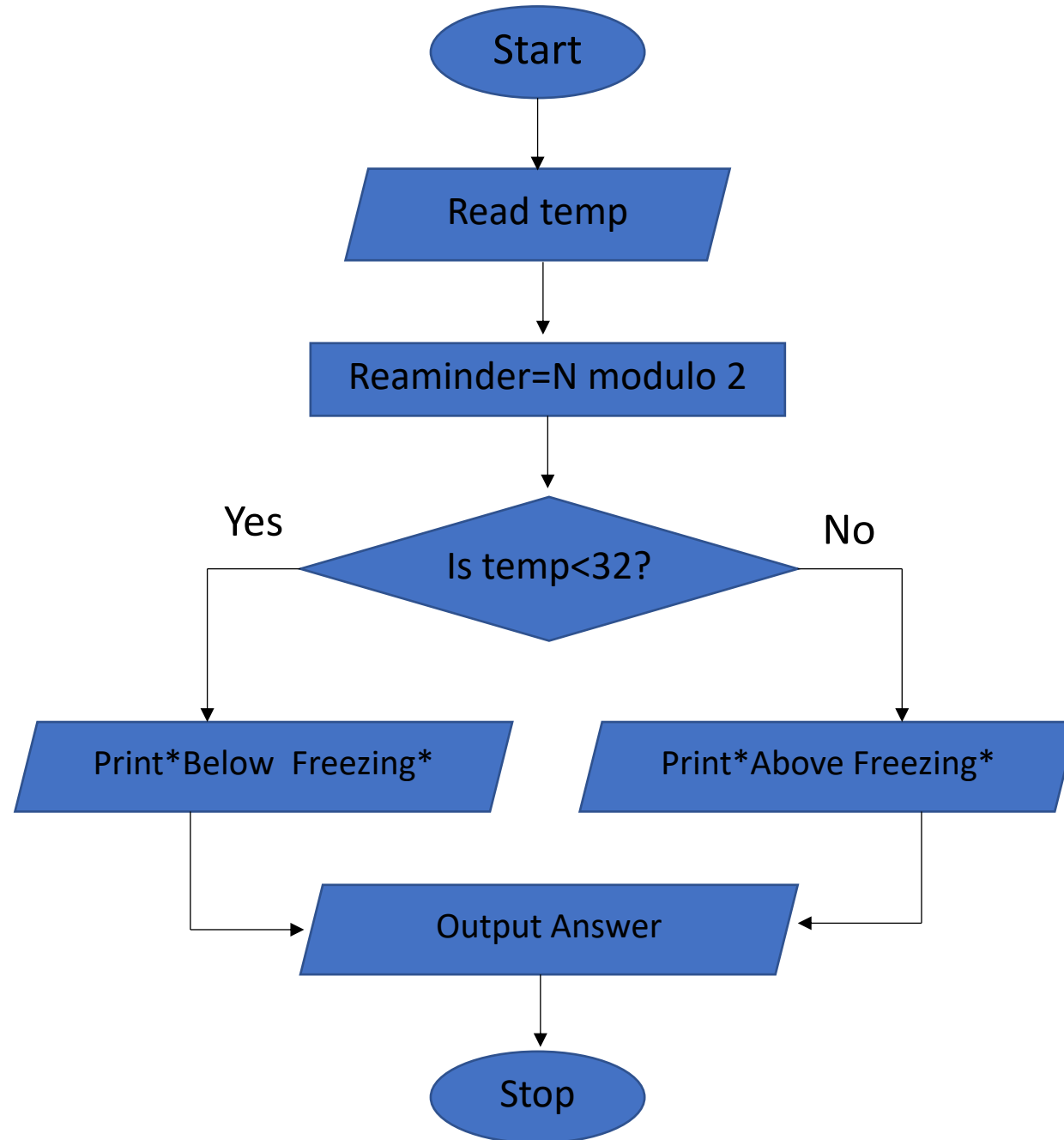
Syntax:

```
do  
{  
  ...  
  block of statements;  
  ...  
} while (condition);
```



```
For(initialization ; condition ; modification)
{
  ...
  block of statements;
  ...
}
```





DECISION – MAKING STATEMENTS

Syntax

If(condition)

{

...

True block of statement;

...

}

Else

{

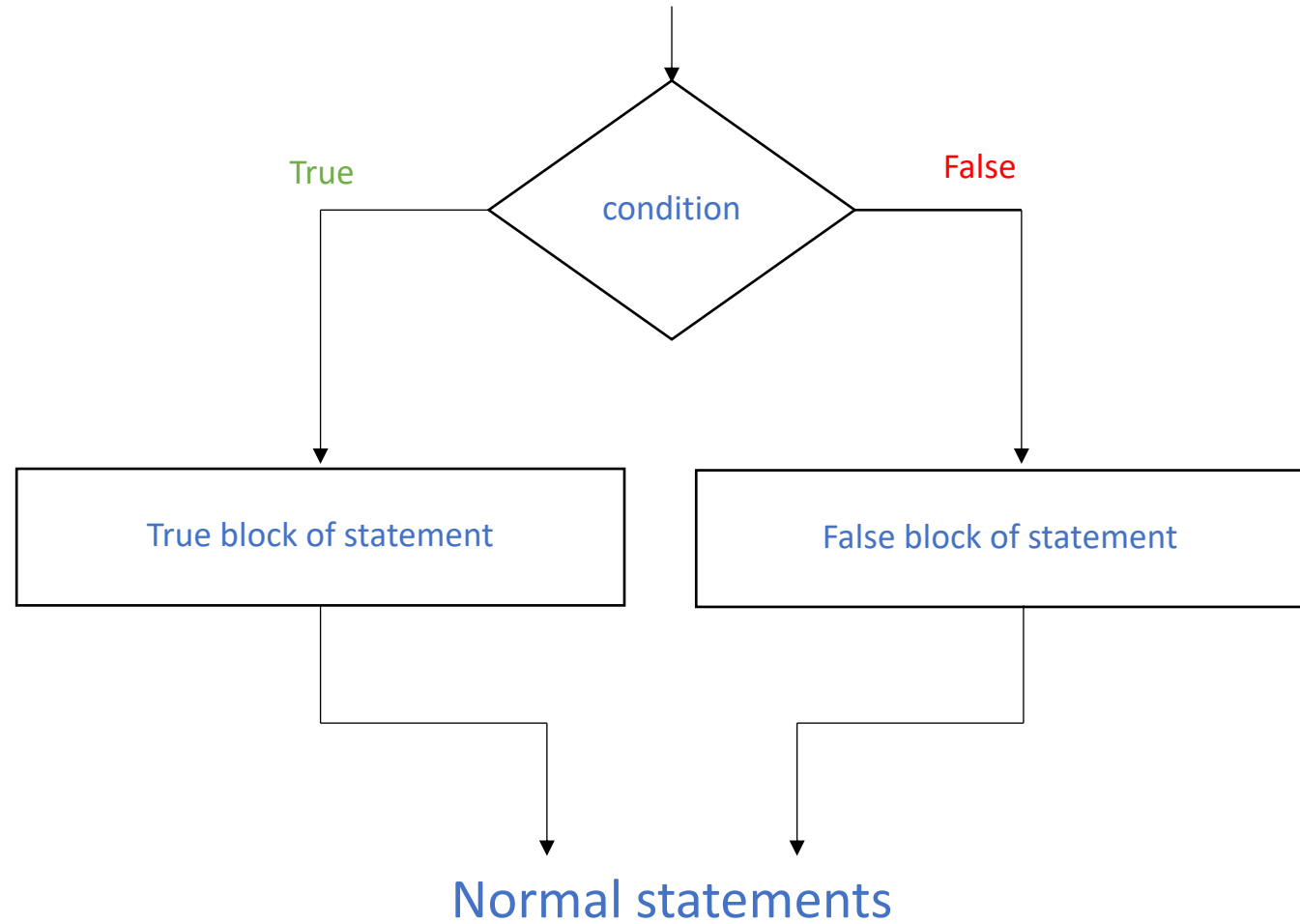
...

False block of statement;

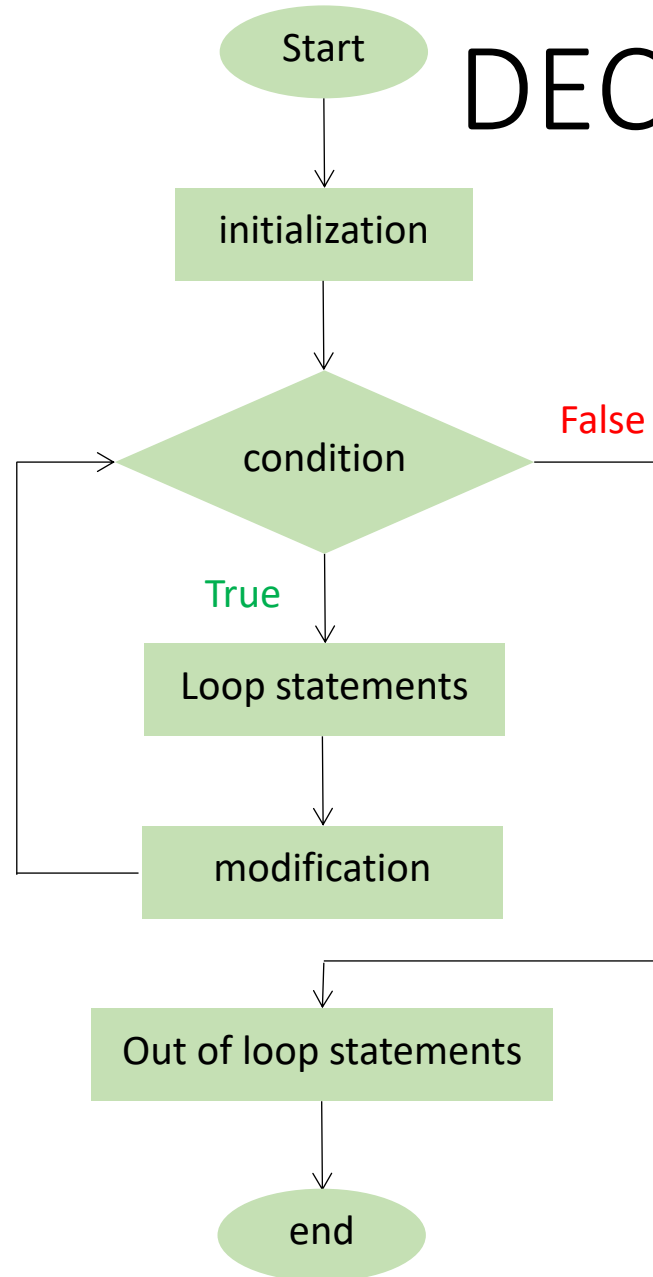
...

}

• Execution flow diagram



DECISION – MAKING STATEMENTS



Syntax:

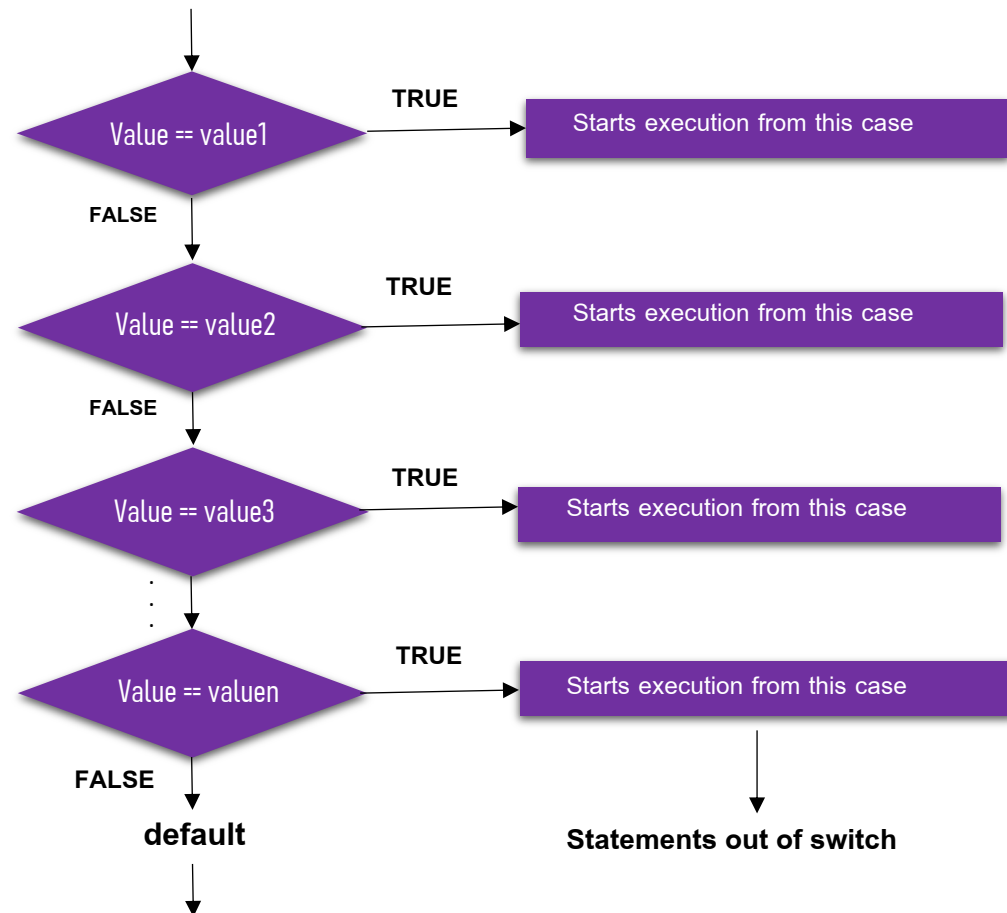
```
for(initialization; condition; modification)
{
  ...
  block of statements;
  ...
}
```

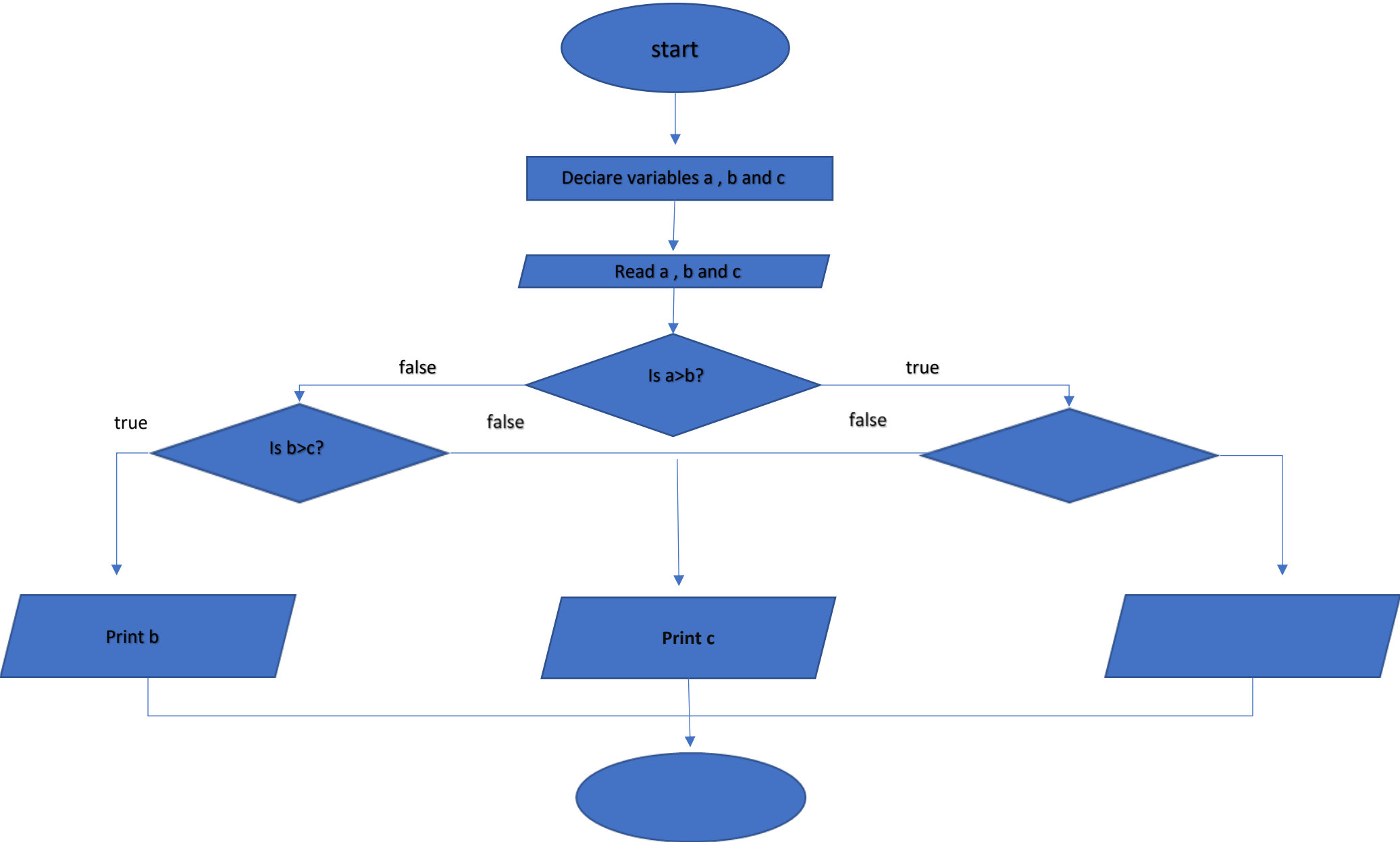

DECISION – MAKING STATEMENTS

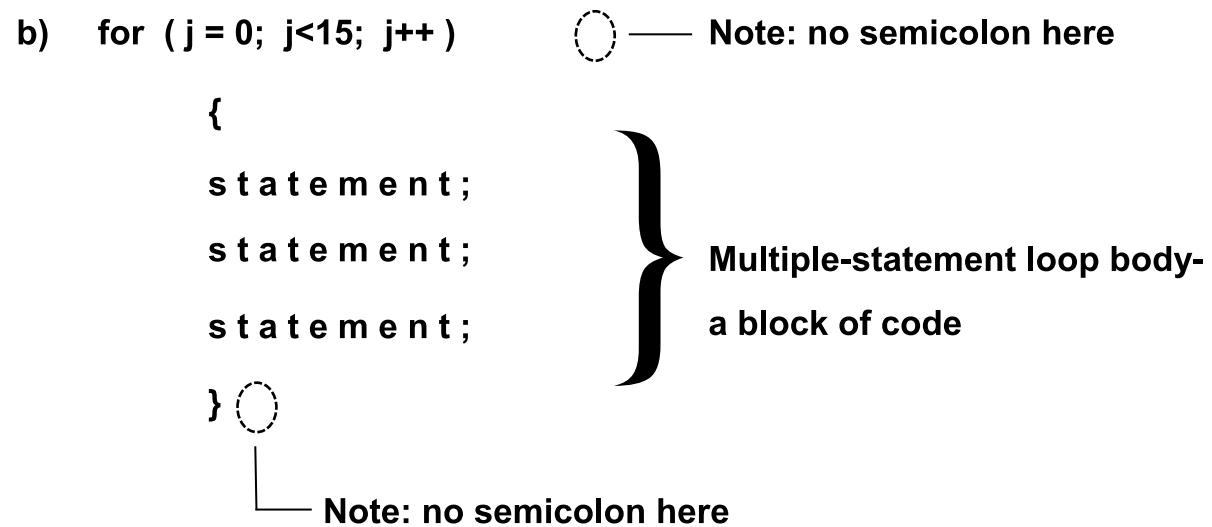
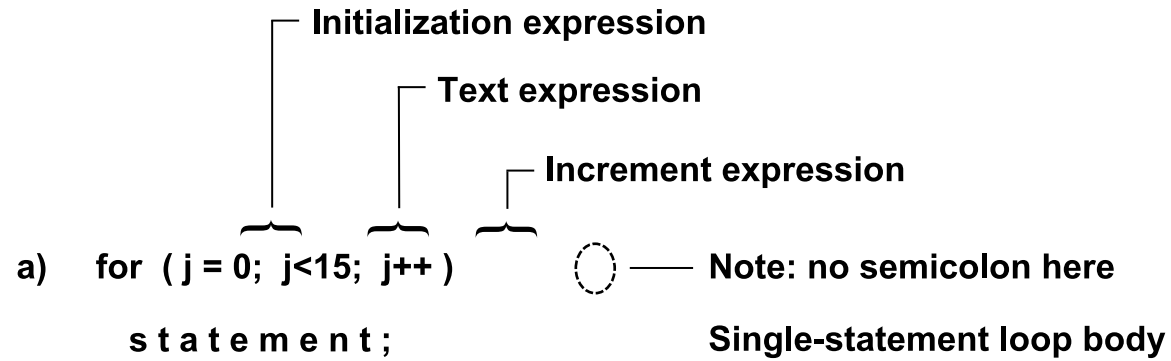
Syntax

```
Switch ( expression or value )  
{  
    case value1: set of statement;  
    ...  
    case value2: set of statement;  
    ...  
    case value3: set of statement;  
    ...  
    case value4: set of statement;  
    ...  
    case value5: set of statement;  
    ...  
    .  
    .  
    default: set of statements;  
}
```

Flow Diagram



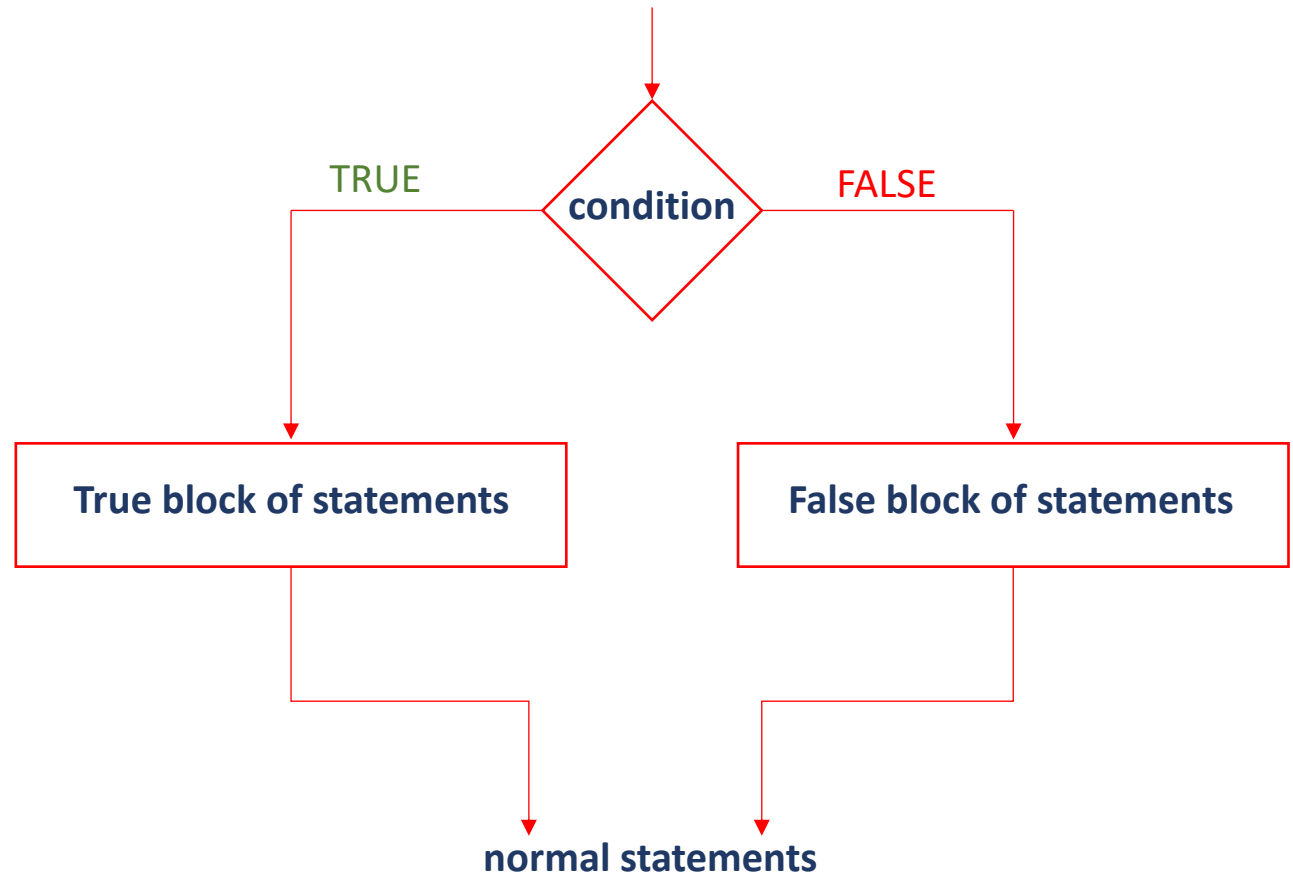




Syntax

```
If ( condition )  
{  
  ....  
  True block of statements;  
  ....  
}  
else  
{  
  ....  
  False block of statements;  
  ....  
}
```

Execution flow diagram



integer or charade variable
Switch (N) ○ Note: no semicolon here

{ Integer or charecder constant

Case 1:

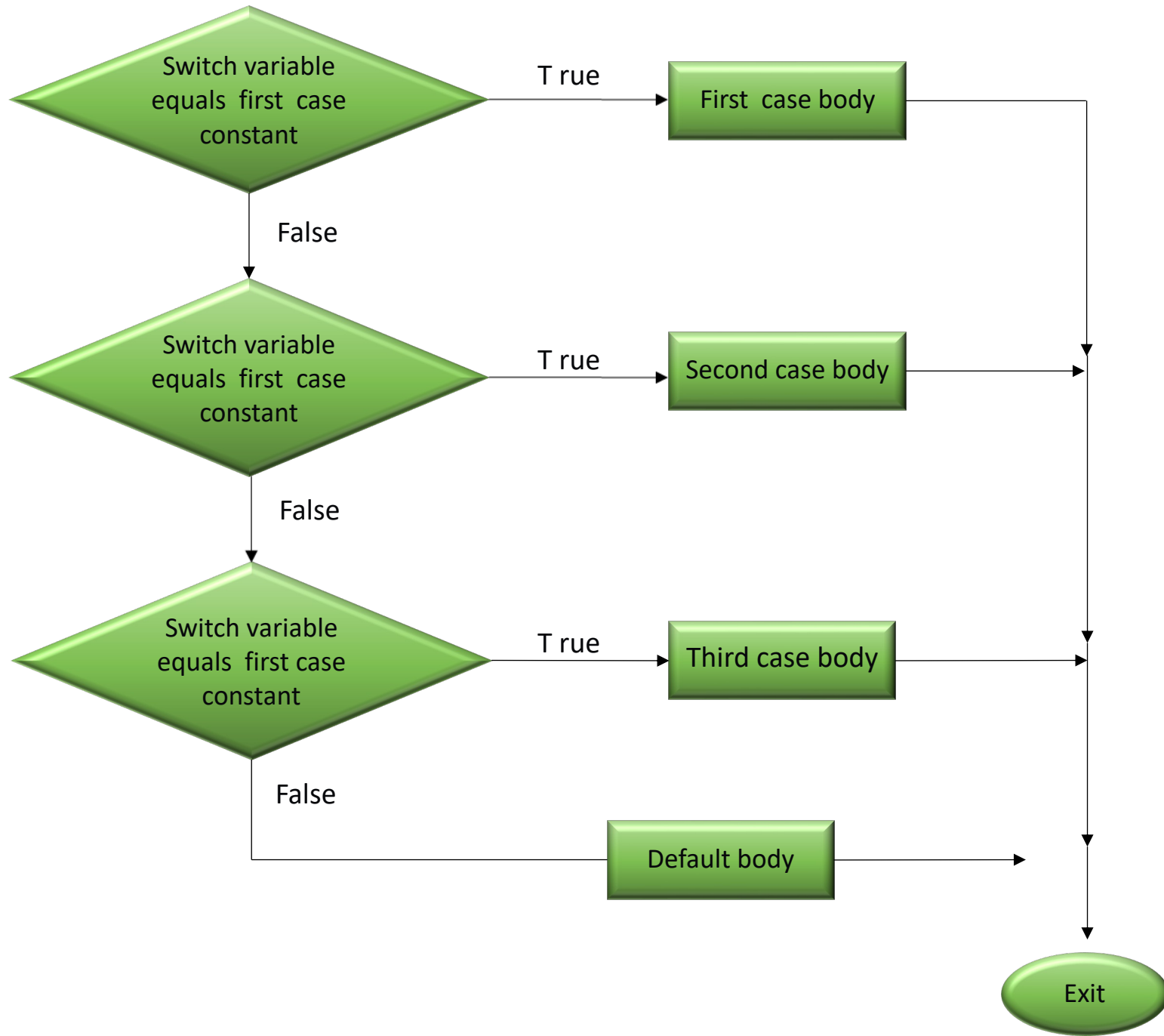
Statement; }
Statement; } First case body

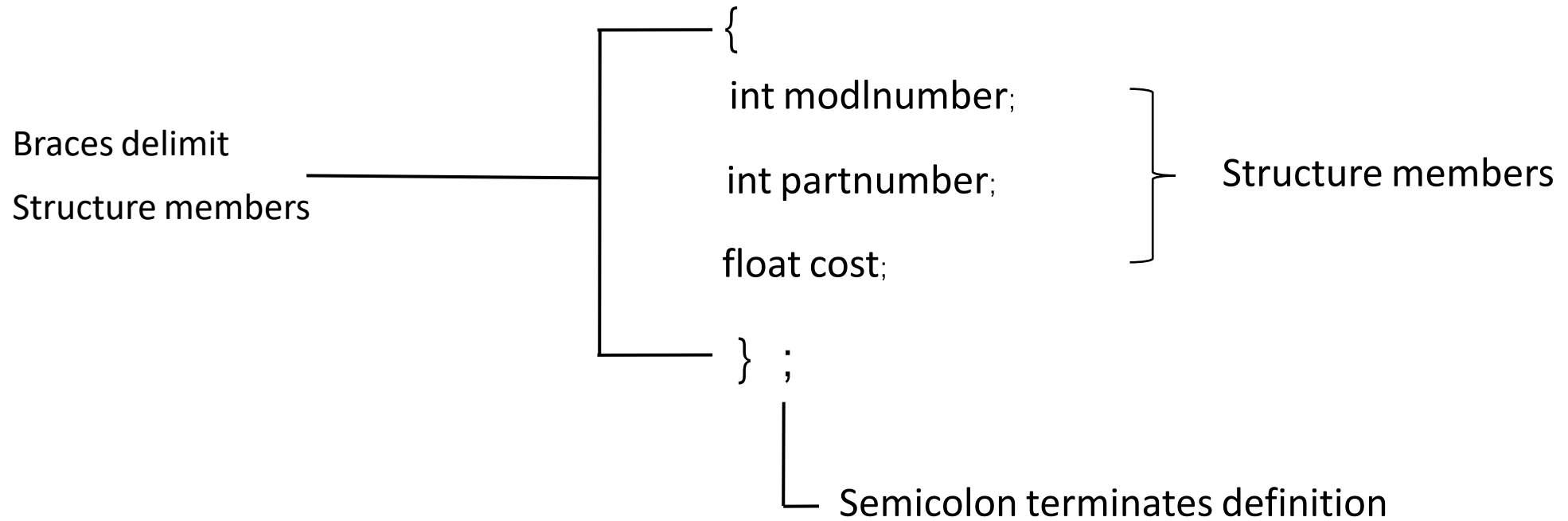
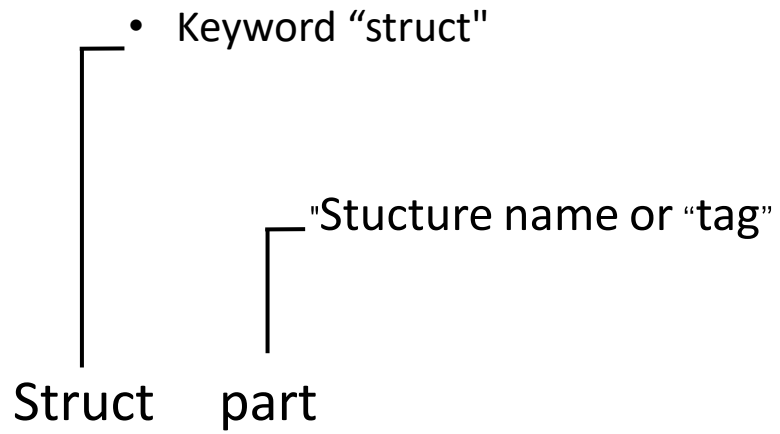
Break; Case exit switch

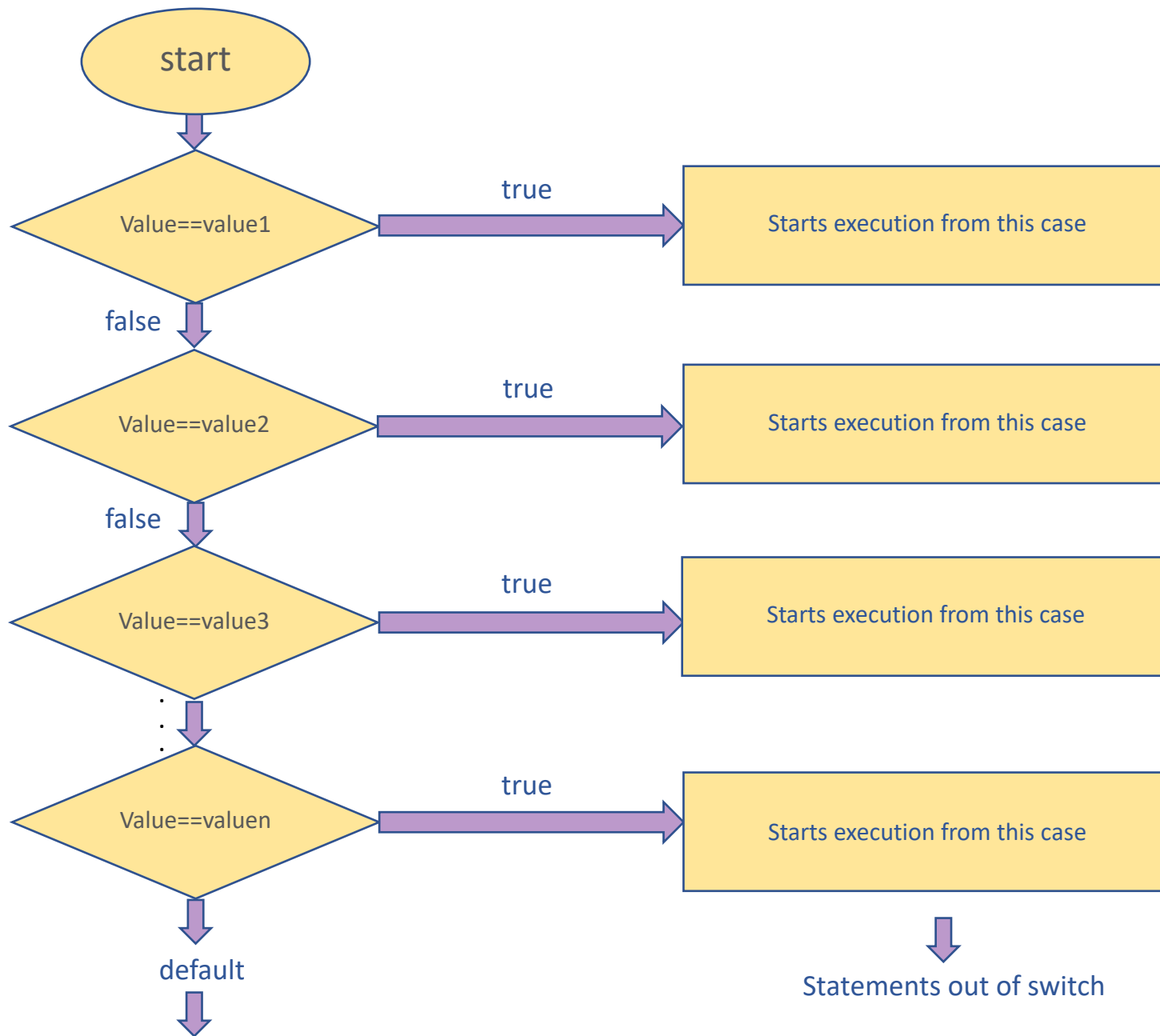
Case 2:

Statement; }
Statement; } Second case body

Break;







Switch (expression or value)

```
{  
  case value1: set of statements;  
  ...  
  case value2: set of statements;  
  ...  
  case value3: set of statements;  
  ...  
  case value4: set of statements;  
  ...  
  case value5: set of statements;  
  .  
  .  
  default: set of statements;  
}
```


หนังสืออ้างอิง (Ref.)

Required Text

- Ulla Kirch-Prinz ,Peter Prinz , “A Complete Guide to Programming in C++” 4th
Sams Publishing 2002
- **Learn C++ programming language tutorialspoint www.tutorialspoint.com**