**Unit III**

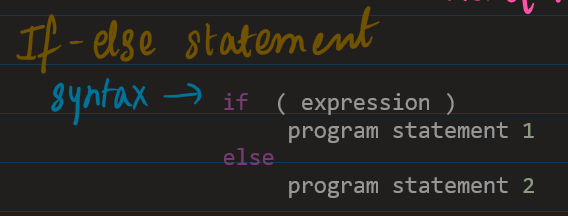
1. Give the differences between sequence control, decision control and looping control statements. Give example.

Ans:

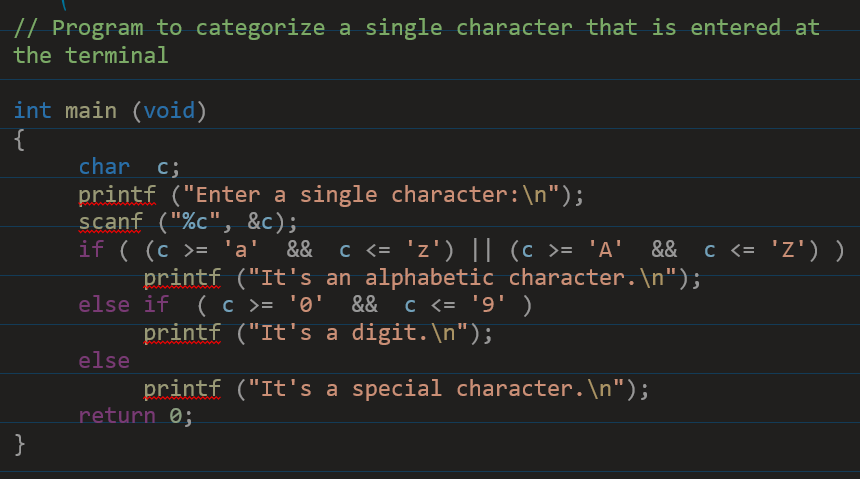
* Sequence control: Normally instructions in the program are executed in the same order in which they appear in the program
* Decision control: In some cases, we need to execute a set of instructions based on certain criteria. This way of controlled execution of statements can be achieved by using decision statements in the program.
* Looping control statements:they are used to repeat the execution of a sequence of statements (statement block) as long specified condition remains true.

1. Elaborate the working of If-Else statement in C with syntax and Example

Ans:

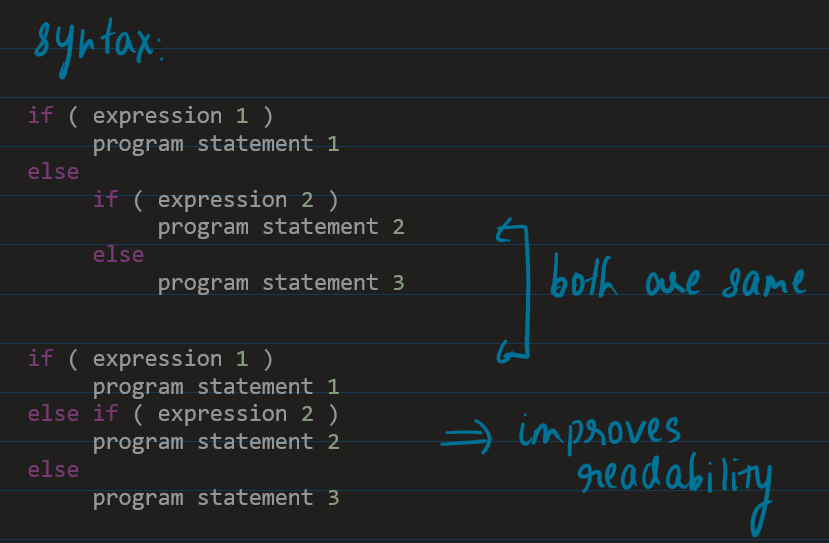


example:



1. Explain the if-else ladder with an example

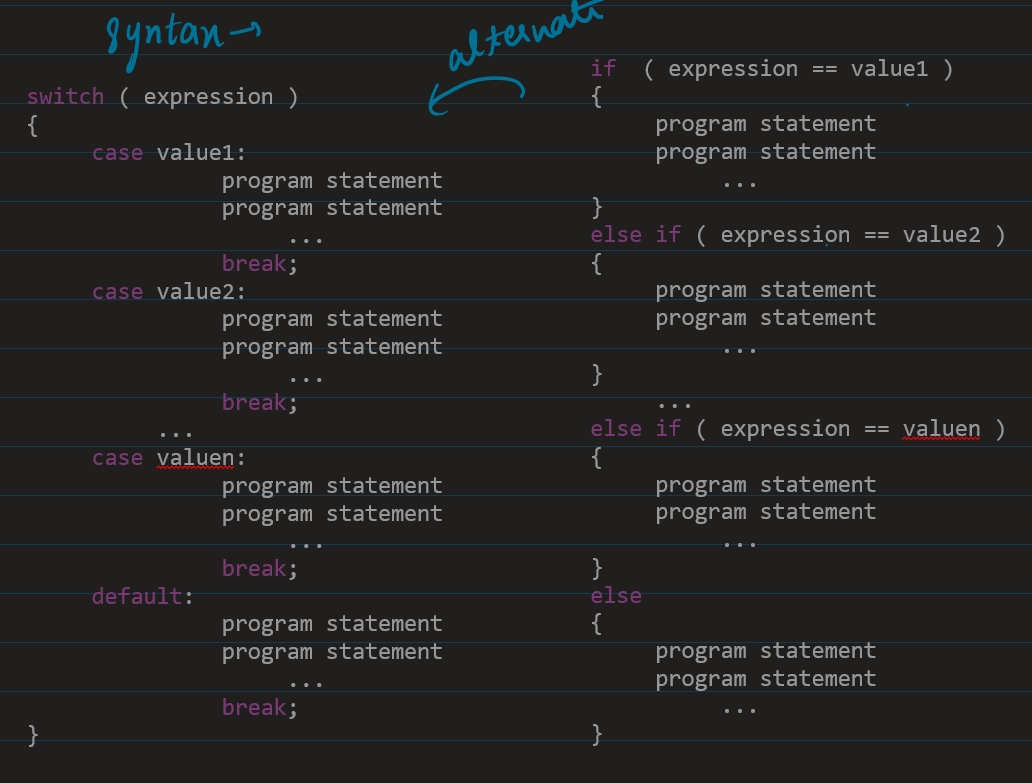
Ans:



1. What is a ternary operator? Give example

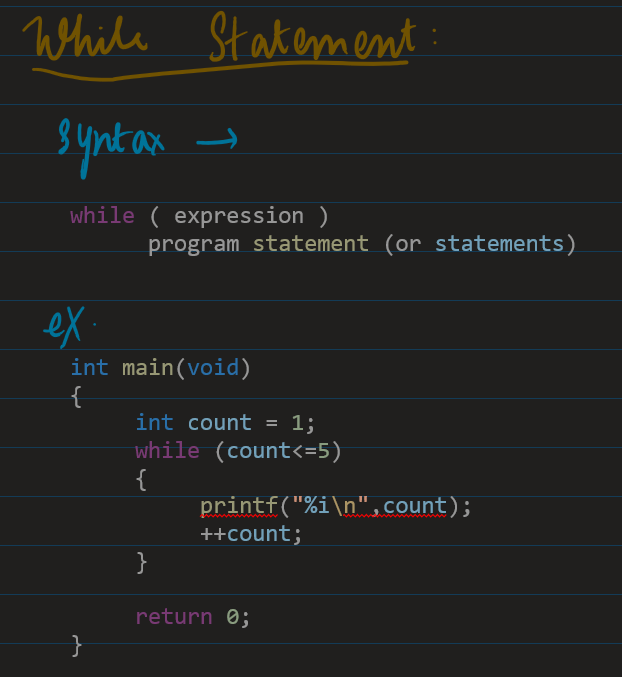
Ans:

1. Give the differences between if-else and switch case

Ans: 

1. With relevant example give the differences between do-while and while loop

Ans:



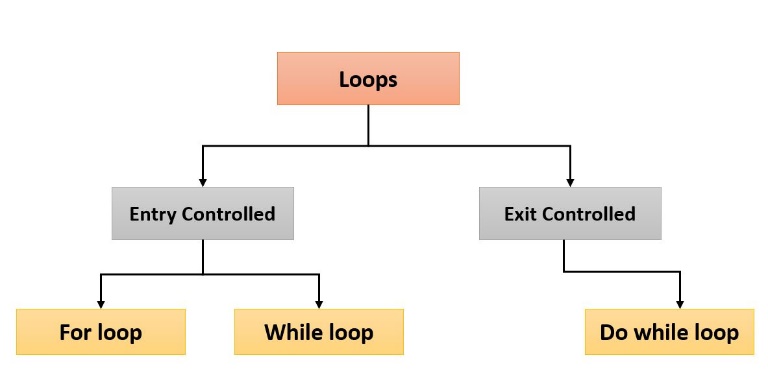


1. Discuss the role of goto, continue and break and detail

Ans:

* break is used to terminate the loop prematurely in which it appears.
* continue is used to skip the iteration in the loop based on the condition.
* goto is used for unconditional transfer of control from goto statement to a labelled statement in the program.

1. What are the different looping structures in C? Give examples

Ans: 

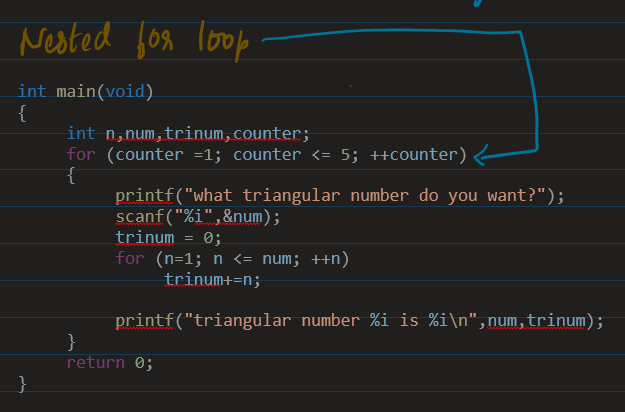
1. Summarize the differences between Entry controlled and Exit controlled loop

Ans:

* Key difference between entry controlled Loop and exit controlled Loop is that
* Entry loop, loop block won’t execute if test expression returns false.
* Exit loop, loop block will be executed even though test expression returns false.

1. Explain the working of nested for loop in detail

Ans:



1. Define an array? How do you declare and initialize a one-dimensional array in C?
2. Explain the working of two-dimensional arrays with an example

**# Relevant programming examples to be practised**