

Day 6 Basic Program Control

array- indexed group of data storage locations that have the same name and are distinguished from each other by subscript or index

arrays must be declared. type, name , size

subscript of array can be another variable

for statement- executes a block of one or more statements a certain number of times

for (initial ; condition ; increment)

statement;

exits loop when condition = 0

can omit init and increment just leave ; for ex: for (; condition ;) (which is basically just a while loop)

init can be any valid c expression, can be concatted with commas:

for (("Sorting..."), x=0 ; condtion ; increment)

; can be a statement

can nest these functions- example of printing box of Xs on pg. 131

while statement- executes a block of statements as long as a specified condition is true

while (condition)

statement;

when initialization and updating are required, usually use **for**. when only having condition trying to meet, use **while**. need statements to be executed at least once use **do...while**

do...while- tests for condition at end of loop rather than beginning. statements are always executed at least once

do { statements; }while (condition);