Chapter 6: Loops

Interactive operations are programming constructs that allows blocks to code to be repeated.

Three types of loops:

* while
* for
* do-while

While loops:

while(cond) {

state;

……….

state;

}

state;

………….

Ex. Loops.

Ex. LoopDynProg

Ex. SimpleLoop1

Prints out the sum at the #s from 1 to n.

formula:

1+2+3+…..+n =

LOOK AT NOTES FOR 10/28/14

Money loops have the following form:

i = 1; 🡨 initialize loop control variable

while( i <= 100) { 🡨 test loop repetition

//do something

i = i +1;

}

Exercise convert all preceding while loops to for loops

Auto increment and decrement

a = a + 1; a +=1; a++

a = a – 1; a -=1; a—

Ex. ColorLoop1, 2, 3

Ex. Shade

Exercise: rewrite all examples with while loops

do {

state…

state….

} while(cond);