function void foo(int x, y, z; real f){

if (x>y) {

x = x + f;

if (x>y) {

x = y + f;

while (X != y)

u = 8;

}

}

else {

y = x + y + z;

x = f \* 2;

z = f;

}

}

function char goo(){

return ‘a’;

}

function void foo(int x, y, z; real f){

var x = 0x01F;

real u = +.2E4, 4.e-67;

string a[30], b[100] = “moshe”;

string str[3] = "hy";

a[19] = 'f';

a[4+2] = 'g';

b[3] = c;

a = "this is no newline\n";

a = "";

i = |b|;

var char c = ‘a’;

var bool m = true, n = false, x;

/\* comments \*/

var char\* x;

var int x, z;

/\* this is my

comment \*/

var int\* y;

x = 5;

y = &x;

x = 6;

z = \*y;

y = null;

}

function void goo(int i, j, k) {

function bool fee(int l, m, n) {

return true;

}

fee(2,3,4);

}

function int Bar(int i, j, k; bool l, m, n) { return 0; }

function void Boo(int a, b) {

{

do {

int x = 5;

}

While (x == 4);

}

}

function int Broo(int a, b, c; bool d, e, f; int g, h) { return 0; }

function void main ()

{

if(3 > 2) {

/\*...statements...\*/

i = 5; /\* i has been declared above \*/

} /\* more examples … \*/

if(true)

{

j = 3;

} else {

k = 4;

}

while(true) {

l = 2; k = l + j;

}

if(true) i = 5; if(true) {

j = 3;

}

else x = x -1; /\* May not work in the current part 1 project (syntax without {}) \*/

while(false) x = x + 1;

for (i=0; i<=10;i=i+2){ /\* may not work because exp cant be without white spaces so far \*/

a = a + I;

}

}

Function int pointers\_Check()

{

var int x;

var int\* y;

x = 5;

y = &x;

x = 6;

var char\* x;

string y[10];

var char z;

y = "foobar";

x = &y[5];

z = \*(x - 5);

y = "barfoo";

}

Pointers\_Check();

Int x = Pointers\_Check();