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2510 : Lecture 16|
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Assignment 2 is on Shareout!

- send email to c2510@haskell.bcit.ca

Subject: <1D><Iname><fname>

Review Exercise 1

- 2.c) void lowercase_copy (chardest [], const char src (]) {
 size_tij
 for (i = 0; src[i]!='\p'; i++) {
 dest (i] = tolower (src[i]);
 }
 dest(i] = '\p'; /* need to add null char@end*/
 }

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... Lecture 16
         2. e) void strim - copy (char dest [], const char src (]) {
                 size_t i; size_t j;
for (i = $\psi; \text{ svc [i]!= '\p'; i++)}{
                    if (!isspace (src [i]))
                         break;
              for (j = 0; src [i]! = '(0'; i++, j++) { CAN BE dest [j] = src [i]; REPLACE
                                                                REPLA CED WITH
                 dest [] = ' \p';
                                                         strcpy (dest, & src [i]);
         2. f) int is_valid_id (const char s []) {
                  if (strlen(s)! = 9)
                       return 0;
                  = if (s[$]!='a' bb s[$]!='A')
not indented
                return 0;

for (i = 1; i < 9; i++) {
                        if (!isdigit (sci]))
                             return o;
                  return 1;
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4. a) char a [] = "hello"; char * p = "world"; p = & a [1]; /*/

print f (" %, ", p);

Valid = ello

b) char a [] = "hello"; char * p = "world"; p[1] = * a; /* @*/ printf("%s, p);

invalid: can't change string constant

7

2

B

6

c) char a [] = "hello"; char * p = "world"; a = p; / @ */ print f ("% s", p);

invalid: can't assign to address (array name)

Review Ex 2

1. a) int i;
for (i = 2; i < 10; i++) {

putchar ('*');
if (i > 7)

break;

2 → 8 7

b) int i;

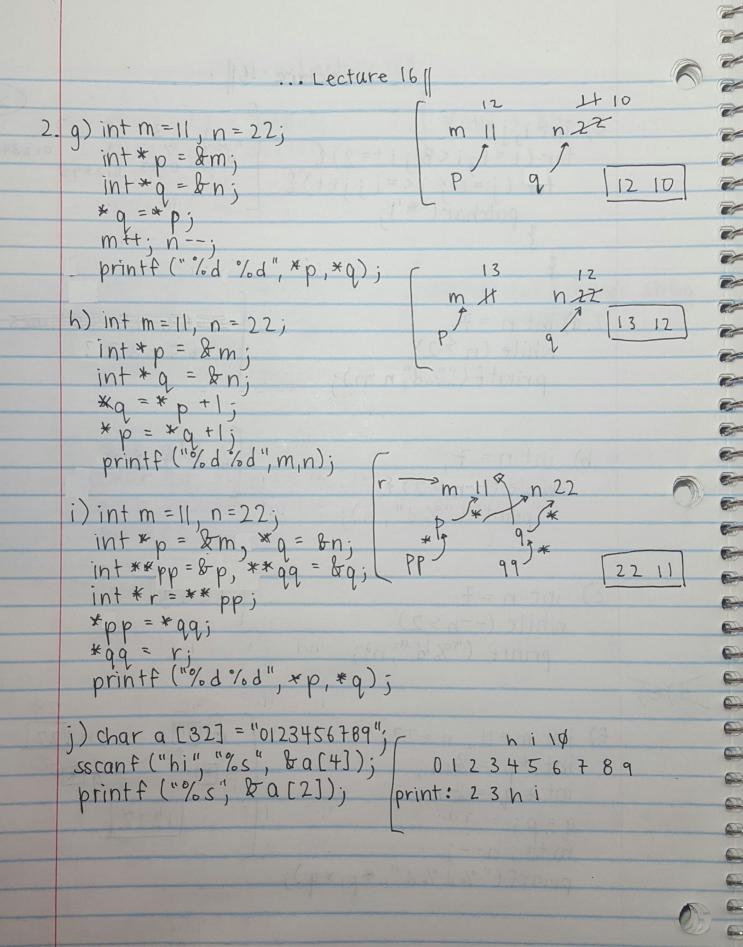
for (i = 1; i < 10; i+t) {
 if (i % 3! = 1)
}
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continue; putchar ('*');

... Lecture 16 c) intijj for (i=1; i < 8; i += 2) { for (j = 0; j <= i ; j + +) {

putchar ('*'); 2. a) int n = 7; while (n > 2) printf("%d" --n); b) intn=7; while (n-- >2) printf("%d", n); c) int n = 7 while (--n>2) printf ("%d",n); f) int m = 11, n = 22; int *p = &m; int * q = & n; 1212 m++; n--; printf("%d%d", *p, *q);



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Lecture 16
    3.a) int m = 4, n = 5, p = 6;
m = sscanf (" 12hello 34", "%d %d", &n, &p);
                                            unchanged
    b) int m = 4, n = 5, p = 6;
m = sscanf("12-34.50", "%d%d", kn, &p);
                                         2 12 -34
     c) int m=+, n=5;
        float f = 1.0;

m = sscanf ("34.50", "% f %d", &f, &n);
                                         unchanged
 4. a) m = Øx89 ab = 1000 1001 1010 1011
        n = Øxef67 = 1110 1111 0110 0111
               m&n = 1000 1001 0010 0011
                      = 8923
     b) m = $ x 89 ab = 1000 1001 1010 1011
         n = pxef67 = 1110 1111 0110 0111
               m = 0111 0110 0101 0100
complement +
                        =FF77
    c) m = \emptyset \times 89 ab = 1000 [001 [010 101]
     h = Ø x e f 67 = 1110 1111 0110
                                         1110
                        0110 0110 1100
                                          1100
   XOR
(1 if bits are diff)
                      = 6600
  0 otherwise
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