Assignment-4 C3E115.7

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1 NoAm
1/* A function 'get_winner' that determines the game result of
  tic-tac-toe"/
 int get_winner (chan arn [3][3])
    chan c;
   for(int i = 0; i < 3; i++)
        if (arr [i][0] = = arr [i][1] & arr [i][0] = = arr(i][2])
          c = au [i] [0];
   for (inti = 0; i < 3; i++)
       if (an [0][i] == an [1][i] & an [0][i] == ann[2](i))
          c = an [0][i];
  if (arr[0][0]==arr[1](1) && arr[1][1]==arr[2][2])
      c = an [0][0];
 if (ann [0][2] == ann [1][1] & dann [1][1] = = ann [2][0])
      c= an [0][2];
if (c== '")
  return 1;
else if (c = = 'x')
   neturn 2;
else
  return 0;
```

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2 NoAm
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/* A function that counts 'the' in a string */
 int count_the (chan str[])
      int count = 0;
      int i,
      fon (i = 0; str[i]!=1(0'; i++)
                 if (Str[i] == 1 1 &&
                     str[1'+1) == 1 t 1 &&
                     Str[i+2] == 'h'&&
                     str[i+3] == 'e' &&
                     Str[i+4] == 1 1 1
                     Str[i] = = 'T' &&
                     Str[i+1] == 'H' &&
                     Str[i+2] = = 'e' &&
                     Str [i+3] = = 1 1)
             count ++;
    return count;
```

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3NoAm
/* A function 'split_string' that splits string*/
  word split-string (chansen[])
       chan * pant = strok (sen, "");
       while (part!= NULL)
           printf ("%s\n", part);
           part = strtok (NULL," ");
 aNoAm
/* A function 'get_power' that calculates power using recursion"
 int get power (int base, int pow)
       if ( pow = = 0)
            return 1;
      else
          neturn base * get_power (bare, pow-1);
```

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5 NoAm
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A function named "count_digits" that counts digital

int count_digits(int n, int count)

(if(n==0)

return count;

elne

return count_digits (n/20, count +1);