プログラミング応用 第 11 週

return a[n]\*pow(2, i) + todecimal(a, n-1, i+1);

## 課題 11-1~11-5 のプログラム例

```
} else {
#include <stdio.h>
                                                           return a[n]*pow(2, i);
#include <math.h>
                                                   }
int count(int *a, int n, int x);
int fibo(int x);
                                                   int isprime2(int num, int n)
int count_char(char *str, int n, char ch);
int todecimal(int *a, int n, int i);
                                                       if(num != n) {
int isprime2(int num, int n);
                                                           if(num % n == 0) { \{}
                                                                return 0;
int count(int *a, int n, int x)
                                                                return isprime2(num, n+1);
    if(n > 0) {
                                                           }
        if(a[n] == x) {
                                                       } else {
            return 1 + count(a, n-1, x);
                                                           return num;
        } else {
                                                       }
            return 0 + count(a, n-1, x);
                                                   }
        }
    } else {
                                                   int main(void)
        if(a[n] == x) {
            return 1;
                                                        //count
        } else {
                                                       int a1[6] = \{7, 8, 6, 7, 1, 7\};
            return 0;
                                                       int a2[4] = \{6, 1, 9, 6\};
                                                       printf("%d\n", count(a1, 5, 7));
    }
                                                       printf("%d\n", count(a2, 3, 6));
}
                                                       //fibo
int fibo(int x)
                                                       int i;
                                                       for(i=0; i<20; i++) {
    if(x==0) {
                                                           printf("%d ", fibo(i));
        return 0;
    } else if(x==1) {
                                                       printf("\n");
        return 1;
    } else {
                                                        //count_char
        return fibo(x-1) + fibo(x-2);
                                                        char str1[] = "Hello!";
    }
                                                        char str2[] = "Good Job!!!!";
}
                                                        printf("%d\n", count_char(str1, 0, '1'));
                                                       printf("%d\n", count_char(str2, 0, 'o'));
int count_char(char *str, int n, char ch)
                                                       printf("%d\n", count_char(str2, 0, '!'));
{
    if(str[n] != '\0') {
                                                        //todecimal
        if(str[n] == ch) {
                                                        int a3[4] = \{1, 1, 0, 1\};
            return 1 + count_char(str, n+1, ch);
                                                        int a4[8] = \{1, 1, 1, 0, 1, 1, 0, 1\};
        } else {
                                                       printf("%d\n", todecimal(a3, 3, 0));
            return 0 + count_char(str, n+1, ch);
                                                       printf("%d\n", todecimal(a4, 7, 0));
        }
    } else {
                                                        //isprime2
        return 0;
                                                       for(i=2; i<=100; i++) {
                                                           printf("%d, ", isprime2(i, 2));
                                                       }
                                                       printf("\n");
int todecimal(int *a, int n, int i)
                                                       return 0;
    if(n > 0) {
                                                   }
```