第8回 計算機プログラミング演習

サンプルプログラム集

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dim_test1_max.c */
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                                                                       #include <stdio.h>
                                                         □int main(void) {
                                                                                                                 int age[12] = { 5, 36, 20, 22, 22, 24, 20, 27, 21, 21, 24, 22 };
                                                                                                                int max;
                                                                                                                int i;
                                                                                                              max = 0;
                                                                                                              for (i = 0; i <= 11; i++) {
                                                                                                                                                                                 (max < age[i]) {
                                                                                                                                                                                           max = age[i];
23
                                                                                                             printf("最大值 %d¥n", max);
24
25
```

```
dim_test1_min.c */
-23456789011231451678901223
        #include <stdio.h>
      □int main(void) {
             int age[12] = { 5, 36, 20, 22, 22, 24, 20, 27, 21, 21, 24, 22 };
             int min;
             int i;
            min = 0;
            for (i = 0; i <= 11; i++) {
                 if (min > age[i]) {
                     min = age[i];
            printf("最小值 %d¥n", min);
24
25
```

```
dim_test1_max_min.c */
12345678910112
1314
1516
1718
        #include <stdio.h>
      □int main(void) {
            int age [12] = \{5, 36, 20, 22, 22, 24, 20, 27, 21, 21, 24, 22\};
            int max, min;
            int i;
            min = age[0];
            max = age[0];
            for (i = 1; i <= 11; i++) {
                 if (max < age[i]) {
      最小値 5 最大値 36
20
21
22
23
                     max = age[i];
                    (min > age[i]) {
      24
25
26
                    min = age[i];
27
28
29
30
31
            printf("最小值 %d 最大值 %d¥n", min, max);
32
```

```
hairetsul.c
23456789011231415
       #include <stdio.h>
     □int main(void) {
           int sum = 0;
           int array[] = { 102, 673, 899, 547, 987, 123 };
           for (int i = 0; i < sizeof(array) / sizeof(array[0]); i++) {
               sum += array[i];
           printf("合計は%d¥n", sum);
           return 0;
                                                合計(は3331
```

hairetsu2.c

```
#include <stdio.h>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
         ⊡int main(void) {
                int array1[] = { 0, 0, 0, 0 };
int array2[] = { 345, 67, 89, 65, 76 };
               for (int i = 0; i <= sizeof(array1) / sizeof(array1[0]); i++) {
                      array1[i] = array2[i];
                      printf("array1[%d]= %d\u00e4n", i, array1[i]);
                return 0;
```

hairetsu2.c

```
#include <stdio.h>
-2345678910112314
161718
       ⊟int main(void) {
              int array1[] = { 0, 0, 0, 0 };
int array2[] = { 345, 67, 89, 65, 76 };
             for (int i = 0; i < sizeof(array1) / sizeof(array1[0]); i++) {
                  array1[i] = array2[i];
                  printf("array1[%d]= %d\formatter", i, array1[i]);
                                             arrayl
             return 0;
                                             array1[1]=
                                             array1[2]=
                                             array1[3]=
```

```
two dim test.c
                                  */
2
3
4
5
6
7
8
9
10
        #include <stdio.h>
      □int main(void) {
            int mark[8][3] = \{ \{45, 50, 65\}, \{64, 72, 84\}, \{58, 92, 43\}, 
                 {60, 62, 54}, {51, 33, 45}, {76, 88, 65}, {45, 53, 35},
                 {39, 62, 38} };
            int sum, i, j;
12
13
14
15
            for (i = 0; i <= 7; i++) {
                 sum = 0;
16
                for (j = 0; j <= 2; j++) {
17
18
                     sum = sum + mark[i][j];
19
20
21
22
                 printf("生徒%dの合計%d¥n", i, sum);
23
24
25
26
27
            for (i = 0; i <= 2; i++) {
28
                 sum = 0;
29
                 for (j = 0; j \le 7; j++) {
30
31
32
33
                     sum = sum + mark[i][j];
34
35
                 printf("教科%dの平均点:%d¥n",i,sum/8);
36
37
38
39
```