<소스코드>

#include<stdio.h>

#include<stdlib.h>

int main()

{

FILE \*memo;

memo = fopen("cal.txt","w+");

int i, j;

float a[10][10], line\_min = 1, total\_min = 1, line\_max = 0, total\_max = 0, line\_sum = 0, total\_sum = 0;

for (i = 0; i < 69; i++)

{

fprintf(memo, " ");

}

fprintf(memo, "최솟값 최댓값 평 균\n");

for (i = 0; i < 10; i++)

{

for (j = 0; j < 6; j++)

{

fprintf(memo, " ");

}

for (j = 0; j < 10; j++)

{

a[i][j] = (double)rand() / RAND\_MAX;

fprintf(memo, "%6.1lf", a[i][j]);

if (line\_min > a[i][j]) line\_min = a[i][j];

if (line\_max < a[i][j]) line\_max = a[i][j];

line\_sum += a[i][j];

}

fprintf(memo, " %6.1lf %6.1lf %6.1lf",line\_min,line\_max,line\_sum/10);

fprintf(memo, "\n");

if (line\_min < total\_min) total\_min = line\_min;

line\_min = 1;

if (line\_max > total\_max) total\_max = line\_max;

total\_sum +=line\_sum;

line\_max = line\_sum = 0;

}

fprintf(memo, "\n최솟값");

float blank\_ma[2][10];

for (i = 0; i < 10; i++)

{

for (j = 0; j < 10; j++)

{

if (line\_min > a[j][i]) line\_min = a[j][i];

if (line\_max < a[j][i]) line\_max = a[j][i];

line\_sum += a[j][i];

}

fprintf(memo, "%6.1lf", line\_min);

blank\_ma[0][i] = line\_max;

blank\_ma[1][i] = line\_sum;

line\_min = 1;

line\_max = line\_sum = 0;

}

fprintf(memo, "\n최대값");

for (i = 0; i < 10; i++)

{

fprintf(memo, "%6.1lf", blank\_ma[0][i]);

}

fprintf(memo, "\n평균 ");

for (i = 0; i < 10; i++)

{

fprintf(memo, "%6.1lf", blank\_ma[1][i]);

}

fprintf(memo, "\n\n");

fprintf(memo, "전체 최 솟 값 : %6.1lf\n", total\_min);

fprintf(memo, "전체 최 댓 값 : %6.1lf\n", total\_max);

fprintf(memo, "전체 평 균 : %6.1lf\n", total\_sum/100);

return 0;

}

<결과>

