5번 문제

#include <stdio.h>

#pragma warning(disable:4996)

int main(){

int inputnum;

printf("Input Integer: ");

scanf("%d", &inputnum);

for(int i = 2; i <= inputnum; i++){

while(inputnum % i == 0){

printf("%d", i);

inputnum /= i;

if(inputnum != 1) printf(" \* ");

}

}

return 0;

}

6번 문제

#include <stdio.h>

#pragma warning(disable:4996)

int main(){

char ch1 = 'A';

char ch2 = 'a';

int i;

for(i = 0; i < 26; i ++){

if(i % 6 == 0){

printf("\n");

}

printf(" %c", ch1 + i);

printf("%c", ch2 + i);

}

}

7번 문제

#include <stdio.h>

#pragma warning(disable:4996)

#define MAX\_LENGTH 100

int main() {

char str[MAX\_LENGTH];

int c, i = 0;

while ((c = getchar()) != '\n' && c != EOF) {

if (i < MAX\_LENGTH - 1) {

str[i++] = c;

}

}

str[i] = '\0';

int counts[26] = {0};

for (int i = 0; str[i] != '\0'; i++) {

if ((str[i] >= 'a' && str[i] <= 'z') || (str[i] >= 'A' && str[i] <= 'Z')) {

int index = str[i] - (str[i] >= 'a' ? 'a' : 'A');

counts[index]++;

}

}

for (int i = 0; i < 26; i++) {

if (counts[i] >= 0) {

printf("%c/%c count: %d\n", 'A' + i, 'a' + i, counts[i]);

}

}

int other\_count = 0;

for (int i = 0; str[i] != '\0'; i++) {

if (!(((str[i] >= 'a' && str[i] <= 'z') || (str[i] >= 'A' && str[i] <= 'Z')))) {

other\_count++;

}

}

printf("others: %d\n", other\_count);

return 0;

}

8번문제

#include <stdio.h>

#pragma warning(disable:4996)

int main(){

int a[][5] = {{1, 2, 3, 4, 5},

{6, 7, 8, 9, 10},

{11, 12, 13, 14, 15},

{16, 17, 18, 19, 20},

{21, 22, 23, 24, 25}};

int totalint;

int rowavr;

double totalintnum;

for(int i = 0; i < 5; i ++){

for(int j = 0; j <= 5; j ++){

totalint = totalint + (double)a[i][j];

if(j == 5){

totalint = totalint - (double)a[i][j];

printf(" %.2f %.2f \n", (double)totalint, (double)totalint / 5);

totalintnum = totalintnum + totalint;

totalint = 0;

}

else{

printf(" %.2lf", (double)a[i][j]);

}

}

}

double htotalnum;

htotalnum = 0;

for(int h = 0; h < 5; h ++){

for(int z = 0; z < 5; z++){

htotalnum = htotalnum + (double)a[z][h];

}

printf(" %.2lf", (double)htotalnum);

htotalnum = 0;

}

printf(" %.2lf \n", totalintnum);

double mtotalnum;

for(int b = 0; b < 5; b ++){

for(int c = 0; c < 5; c ++){

mtotalnum = mtotalnum + (double)a[c][b];

}

mtotalnum = mtotalnum / 5;

printf(" %.2lf", mtotalnum);

mtotalnum = 0;

}

printf(" %.2lf", totalintnum / 25);

}