#include <stdio.h>

#include <stdlib.h>

#include <math.h>

int main()

{

/\*

Zadacha 1

for (int i=1;i<=10;i++){

printf("%d\n",i);

0 }

Zadacha 2

int a=0;

for (int j=1;j<=55;j++){

for (int k=1;k<=j;k++){

printf("\*");

a++;

if (a==55){

break;

}

}

if (a==55){

break;

}

printf("\n");

}

printf("\n");

Zadacha 3

printf("char= ");

char c=getchar();

printf("%c%c%c%c%c%c%c%c%c%c\n",c,c,c,c,c,c,c,c,c,c);

for (int i=1;i<=3;i++){

printf("%c %c\n",c,c);

}

printf("%c%c%c%c%c%c%c%c%c%c\n",c,c,c,c,c,c,c,c,c,c);

Zadacha 4

printf("char= ");

char f=getchar();

printf("\n");

printf(" %c \n",f);

printf(" %c %c \n",f,f);

printf(" %c %c \n",f,f,f);

printf(" %c %c \n",f,f,f,f);

printf("%c%c%c%c%c%c%c%c%c \n",f,f,f,f,f,f,f,f,f);

Zadacha 5

printf("Inches= ");

float a;

scanf("%f",&a);

printf("\n");

float cm=a\*2.54;

float mm=cm\*10;

float dm=cm\*0.1;

float m = cm\*0.01;

printf("mm = %.2fmm\n",mm);

printf("cm = %.2fcm\n",cm);

printf("dm = %.3fdm\n",dm);

printf("m = %.4fm\n",m);

Zadacha 6

printf("Celsius = ");

float a;

scanf("%f",&a);

printf("\n");

printf("Fahrenheit = %.2f",(a\*1.0\*9/5)+32);

Zadacha 7

printf("Degrees = ");

float a;

scanf("%f",&a);

printf("\n");

printf("Radians = %f",a\*1.0\*M\_PI/180);

Zadacha 8

printf("Leva = ");

float a;

scanf("%f",&a);

printf("\n");

printf("Dollars = %.2f\n",a\*0.57);

printf("Euros = %.2f\n",a\*0.51);

printf("Pounds = %.2f\n",a\*0.43);

Zadacha 9

printf("A = ");

float a;

scanf("%f",&a);

printf("\n");

printf("B = ");

float b;

scanf("%f",&b);

printf("\n");

printf("H = ");

float h;

scanf("%f",&h);

printf("\n");

printf("S = %.2f",(a+b)\*h/2);

Zadacha 10

double degree;

printf("Degree = ");

scanf("%lf", &degree);

double radian = degree \* (M\_PI / 180);

printf("sin = %lf \n", sin(radian));

printf("cos = %lf \n", cos(radian));

printf("tan = %lf \n", tan(radian));

printf("cotg = %lf \n", 1/tan(radian));

Zadacha 11

printf("x1 = ");

float x1;

scanf("%f",&x1);

printf("\n");

printf("y1 = ");

float y1;

scanf("%f",&y1);

printf("\n");

printf("x2 = ");

float x2;

scanf("%f",&x2);

printf("\n");

printf("y2 = ");

float y2;

scanf("%f",&y2);

printf("\n");

float s=(abs(x1-x2)\*abs(y1-y2));

printf("S = %.2f",s);

Zadacha 12

printf("x1 = ");

float x1;

scanf("%f",&x1);

printf("y1 = ");

float y1;

scanf("%f",&y1);

printf("x2 = ");

float x2;

scanf("%f",&x2);

printf("y2 = ");

float y2;

scanf("%f",&y2);

float x3;

printf("x3 = ");

scanf("%f",&x3);

printf("y3 = ");

float y3;

scanf("%f",&y3);

float s = abs(0.5\*((y2+y1)\*(x1-x2))+0.5\*((y1+y3)\*(x3-x1))-0.5\*((y2+y3)\*(x3-x2)));

printf("S = %f",s);

Zadacha 13

float w,h;

printf("W = ");

scanf("%f",&w);

printf("H = ");

scanf("%f",&h);

float s=(w-1)\*h;

float m= (s/(0.7\*1.2))-3;

printf("Places = %f",m);

Zadacha 14

printf("Leva zelenchuci = ");

float lv1;

scanf("%f",&lv1);

printf("\n");

printf("Leva plodove = ");

float lv2;

scanf("%f",&lv2);

printf("\n");

printf("Kg zelenchuci = ");

float zel;

scanf("%f",&zel);

printf("\n");

printf("Kg plodove = ");

float plod;

scanf("%f",&plod);

printf("\n");

float euro=lv1\*zel\*1.95+lv2\*plod\*1.95;

printf("Total euro = %.2f",euro);

Zadacha 15

int n, w, l, m, o;

printf("N = ");

scanf("%d",&n);

printf("W = ");

scanf("%d",&w);

printf("L = ");

scanf("%d",&l);

printf("M = ");

scanf("%d",&m);

printf("O = ");

scanf("%d",&o);

double area=(n\*n)-(m\*o);

double tile = area/(w\*l);

printf("Broi plochki = %.2lf\n", tile);

printf("Rabota = %.2lf minuti", tile\*0.2);

Zadacha 16

int n;

double m, usd;

printf("Dni= ");

scanf("%d",&n);

printf("Pari = ");

scanf("%lf",&m);

printf("Kurs na dolara = ");

scanf("%lf",&usd);

double salary=(n\*m\*14.5)\*0.75;

double daily=(salary/365)\*usd;

printf("Pari na den v leva = %.2lf", daily);\*/

return 0;

}