**https://github.com/MeDoByXa3890/-.git**

**#include <iostream>**

**#include <math.h>**

**using namespace std;**

**int main()**

**{**

**int n, a , b, temp, x1, y1, x2, y2, x3, y3 ;**

**int mas1 [3];**

**float ab, ac;**

**while(true)**

**{**

**cout << "input task number: ";**

**cin >> n;**

**switch(n)**

**{**

**case 0:**

**cout << "Exit\n";**

**return 0;**

**case 1:**

**cout << "task 1\n" << "input A & B: ";**

**cin >> a>> b ;**

**if (a!=b){**

**if(a>b){ b=a;}**

**else { a=b;}**

**}**

**else {**

**a=0;**

**b=0; }**

**cout << a << " " << b << endl;**

**break;**

**case 2:**

**cout << "task 2\n" << "input A & B & C: ";**

**for (int i=0; i<3; i++){**

**cin >> mas1 [i];**

**}**

**for (int i=0; i<2;i++){**

**for (int j=0; j<2; j++){**

**if(mas1[j]>mas1[j + 1]){**

**temp = mas1[j];**

**mas1[j]=mas1[j + 1];**

**mas1[j + 1]=temp;**

**}**

**}**

**}**

**a= mas1[1]+mas1[2];**

**cout << a << endl;**

**break;**

**case 3:**

**cout << "Task 3\n" << "input A's coordinates ";**

**cin >> x1 >> y1;**

**cout << "input B's coordinates ";**

**cin >> x2 >> y2;**

**cout << "input C's coordinates ";**

**cin >> x3 >> y3;**

**ab=sqrt(pow(x2-x1, 2)+pow(y2-y1, 2));**

**ac=sqrt(pow(x3-x1, 2)+pow(y3-y1, 2));**

**if(ac>ab){**

**cout << "B's(" << x2 << "; "<< y2 << ") lenght: " << ab << endl;**

**}**

**else {**

**cout << "C's(" << x3 << "; "<< y3 << ") lenght: " << ac << endl;**

**}**

**break;**

**case 4:**

**cout << "Task 4\n" << "input point's coordinates: ";**

**cin >> x1 >> y1;**

**if (x1>0){**

**if (y1>0){**

**cout << "I quarter\n";**

**}**

**if(y1<0){**

**cout << "IV quarter\n";**

**}**

**}**

**if (x1<0){**

**if (y1>0){**

**cout << "II quarter\n";**

**}**

**if(y1<0){**

**cout << "III quarter\n";**

**}**

**}**

**break;**

**case 5:**

**cout << "Task 5\n" << "input number: ";**

**cin >> a;**

**if (a==0){**

**cout << "zero number\n";**

**}**

**if (a>0 && a%2==0){**

**cout << "plus even number\n";**

**}**

**if (a>0 && a%2!=0){**

**cout << "plus odd number\n";**

**}**

**if (a<0 && a%2==0){**

**cout << "minus even number\n";**

**}**

**if (a<0 && a%2!=0){**

**cout << "minus odd number\n";**

**}**

**break;**

**case 6:**

**cout << "task 6\n" << "input number: ";**

**cin >> a;**

**if(a%2==0){**

**if (a>99&& a<1000){**

**cout << "three-digit even number\n";**

**}**

**if (a>9&& a<100){**

**cout << "two-digit even number\n";**

**}**

**if (a>0&& a<10){**

**cout << "one-digit even number\n";**

**}**

**}**

**if (a%2!=0){**

**if (a>99&& a<1000){**

**cout << "three-digit odd number\n";**

**}**

**if (a>9&& a<100){**

**cout << "two-digit odd number\n";**

**}**

**if (a>0&& a<10){**

**cout << "one-digit odd number\n";**

**}**

**}**

**break;**

**}**

**}**

**}**