#include<iostream>

using namespace std;

int add();

int sub();

void devid();

int mulip();

void display();

void swap(int \*a,int \*b);

void quit();

//main

int main(){

cout<<"WELCOME TO THE CALCULATOR\n";

cout<<endl;

//fun\_call

display();

char ch;

cout<<"ENTER YOUR CHOICE\n"<<endl;

cin>>ch;

switch(ch){

case 1:cout<<add();

break;

case 2:cout<<sub();

break;

case 3:cout<<mulip();

break;

case 4:devid();

break;

case 5:quit();

break;

default:

cout<<"enter correct choice";

}

return 0;

}

//min\_ends

//functions

void display(){

cout<< "1--add to numbers \n"<<"2--subract to numbers \n"<<"3--miltiple to numbers\n"<<"4--dived to numbers\n"<<"5--EXIT"<<endl;

}

int add(){

cout<<"enter to intergesr witn SPACE to ADD\n";

cout<<endl;

int a{},b{};

cin>>a>>b;

return a+b;

}

//sun\_fuc

int sub(){

cout<<"enter to intergesr witn SPACE to SUBRACT\n";

cout<<endl;

int a{},b{};

cin>>a>>b;

return a-b;

}

//multipl\_fuc

int mulip(){

cout<<"enter to intergesr witn SPACE to MULTIPLY\n";

cout<<endl;

int a{},b{};

cin>>a>>b;

return a\*b;

}

//div\_fuc

void devid(){

cout<<"enter to intergesr witn SPACE to DEDISION\n";

cout<<endl;

int a{},b{};

cin>>a>>b;

if(a!=0){

cout<< a/b;

}

else{

if(a==0){

cout<<"FIRST NUMBER CAN'T BE ZERO !!!!!!!!!\n";

cout<<endl;

char choice;

cout<<"to continue devidion number cam be swaped...(y/n)\n";

cin>>choice;

if(choice=='y' || choice== 'Y'){

swap(&a,&b);

}

else{

cout<<"SORRY :( devide\n";

}

}

}

}

//swap\_fuc

void swap(int \*a,int \*b){

int temp{};

temp=\*a;

\*a=\*b;

\*b=temp;

cout<<\*a / \*b;

}

//quit\_func

void quit(){

exit(0);

}