­­­­­// Assignment 4A:Characters for the ASCII codes

// Author :Jianing Hu

// Description :This program uses loop to display the characters for the ASCII codes 0 through 127

// status :complete

// date :Sep 18,2022

#include <iostream>

using namespace std;

int main()

{

int number;

const int max\_number=127,min\_number=1;

number = min\_number;

while (number <= max\_number)

{

cout<<char(number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<" ";

cout<<char(++number)<<" "<<char(++number)<<endl;

}

return 0;

}

­A picture containing calendar

Description automatically generated

// Assignment 4B:Math Tutor

// Author :Jianing Hu

// Description :This program uses to calculate the problem of addition, subtraction, multiplication and division

// status :complete

// date :Sep 18,2022

#include <iostream>

using namespace std;

int main()

{

int choice;

do{

const int choice\_1=1,choice\_2=2,choice\_3=3,choice\_4=4;

cout<<"This is a calculator"<<endl;

cout<<"1.Additonal problems"<<endl;

cout<<"2.Subtraction problems"<<endl;

cout<<"3.Multiplication problems"<<endl;

cout<<"4.Division problems"<<endl;

cout<<"Please enter your choice(1-4)"<<endl;

cin >> choice;

switch (choice)

{

case 1:

double add1,add2,add\_sum;

cout<<"Additonal problems"<<endl;

cout<<"Enter two number to add"<<endl;

cin>>add1>>add2;

add\_sum=add1 + add2;

cout<<"The sum is "<<add\_sum<<endl;

break;

case 2:

double subed\_number,sub,diff;

cout<<"Subtraction problems"<<endl;

cout<<"Enter subtracted number and subtractor"<<endl;

cin>>subed\_number>>sub;

diff = subed\_number - sub;

cout<<"The difference is "<<diff<<endl;

break;

case 3:

double mult1,mult2,product;

cout<<"Multiplication problems"<<endl;

cout<<"Enter two multiplier"<<endl;

cin>>mult1>>mult2;

product = mult1 \* mult2;

cout<<"The product is "<<product<<endl;

break;

case 4:

cout<<"good bye"<<endl;

}

}while (choice != 4);

return 0;

}