#include<iostream>

using namespace std;

#include<stdlib.h>

void main()

{

int a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,s;

char op;

do

{

cout<<"Enter any key include 1 to 7"<<endl;

cout<<"Enter 1 for eddition"<<endl;

cout<<"Enter 2 for subtraction"<<endl;

cout<<"Enter 3 for multiplication"<<endl;

cout<<"Enter 4 for division"<<endl;

cout<<"Enter 5 for average"<<endl;

cout<<"Enter 6 for convert temperature from celcious to farnheiht"<<endl;

cout<<"Enter 7 for determine table of a number"<<endl;

cin>>a;

system("cls");

switch(a)

{

case 1:

cout<<"Enter 1 for addition of 2 values "<<endl;

cout<<"Enter 2 for addition of 3 values "<<endl;

cout<<"Enter 3 for addition of 4 values "<<endl;

cout<<"Enter 4 for addition of 5 values "<<endl;

cin>>b;

if (b==1)

{

cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

e=c+d;

cout<<"Result of addition\t"<<e<<endl;}

else if (b==2)

{ cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

f=c+d+e;

cout<<"Result of addition\t"<<f<<endl;}

else if (b==3)

{ cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

g=c+d+e+f;

cout<<"Result of addition\t"<<g<<endl;}

else if (b==4)

{ cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

cout<<"Enter 5th value"<<endl;

cin>>g;

h=c+d+e+f+g;

cout<<"Result of addition\t"<<h<<endl;}

else

{ cout<<"You entered invalid number\n"<<b<<endl;}

break;

case 2:

cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

e=c-d;

cout<<"Result of subtraction\t"<<e<<endl;

break;

case 3:

cout<<"Enter 1 for multi. of 2 values "<<endl;

cout<<"Enter 2 for multi. of 3 values "<<endl;

cout<<"Enter 3 for multi. of 4 values "<<endl;

cout<<"Enter 4 for multi. of 5 values "<<endl;

cin>>b;

if (b==1)

{

cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

e=c\*d;

cout<<"Result of multi.\t"<<e<<endl;}

else if (b==2)

{ cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

f=c\*d\*e;

cout<<"Result of multi.\t"<<f<<endl;}

else if (b==3)

{cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

g=c\*d\*e\*f;

cout<<"Result of multi.\t"<<g<<endl;}

else if (b==4)

{cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

cout<<"Enter 5th value"<<endl;

cin>>g;

h=c\*d\*e\*f\*g;

cout<<"Result of multi.\t"<<h<<endl;}

else

{ cout<<"You entered invalid number\t"<<b;}

break;

case 4:

cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

e=c/d;

cout<<"Result of division\t"<<e<<endl;

break;

case 5:

cout<<"Enter 1 for ave. of 2 values "<<endl;

cout<<"Enter 2 for ave of 3 values "<<endl;

cout<<"Enter 3 for ave of 4 values "<<endl;

cout<<"Enter 4 for ave of 5 values "<<endl;

cin>>b;

if (b==1)

{ cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

e=(c+d)/2;

cout<<"Result of ave.\t"<<e<<endl;}

else if (b==2)

{cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

f=(c+d+e)/3;

cout<<"Result of addition\t"<<f<<endl;}

else if (b==3)

{cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

g=(c+d+e+f)/4;

cout<<"Result of ave.\t"<<g<<endl;}

else if (b==4)

{cout<<"Enter 1st value"<<endl;

cin>>c;

cout<<"Enter 2nd value"<<endl;

cin>>d;

cout<<"Enter 3rd value"<<endl;

cin>>e;

cout<<"Enter 4rth value"<<endl;

cin>>f;

cout<<"Enter 5th value"<<endl;

cin>>g;

h=(c+d+e+f+g)/5;

cout<<"Result of ave.\t"<<h<<endl;}

else

{ cout<<"you entered invalid number\n"<<b<<endl;}

break;

case 6:

float q;

cout<<"Enter temp. of farn."<<endl;

cin>>q;

d=((q-32)\*5/9);

cout<<"Temp into celcious\t"<<d<<endl;

break;

case 7:

cout<<"Enter number to find its table"<<endl;

cin>>o;

cout<<"Enter its length"<<endl;

cin>>s;

for (p=1;p<=s;p++)

{cout<<o<<"\*"<<p<<"="<<o\*p<<endl;}

break;

default:

cout<<"You entered invalid number\t"<<a<<endl;

}

cout<<"Do you want to try it again replay y/n"<<endl;

cin>>op;}

while (op !='n');

cin.get();

cin.get();

}