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#include <iostream>
#include <conio.h>
#include <iomanip>
#include <math.h>
using namespace std;
int main()
int choice;
char continu='y';
cout << "\nHello User!";</pre>
cout << "\n SCIENTIFIC CALCULATOR! "; while (continu!='n'){</pre>
cout <<"\nPress 1 for addition";</pre>
cout <<"\nPress 2 for Subtraction";</pre>
cout <<"\nPress 3 for Multiplication";</pre>
cout <<"\nPress 4 for Division";</pre>
cout <<"\nPress 5 for Absolute Value";</pre>
cout <<"\nPress 6 for Exponential Multiplication"; cout <<"\nPress 7 for square root";</pre>
cout <<"\nPress 8 for sine";</pre>
cout <<"\nPress 9 for cosine";</pre>
cout <<"\nPress 10 for tangent";</pre>
cout <<"\nPress 11 for cosecant";</pre>
cout <<"\nPress 12 for secant";</pre>
cout <<"\nPress 13 for cotangent";</pre>
cout <<"\nPress 14 for log(base e)";</pre>
cout <<"\nPress 15 for log(base 10)";</pre>
cout <<"\nEnter Your Choice:";</pre>
cin>>choice;
switch(choice) {
case 1 :
char response='y';
while (response!='n'){
float x,y;
cout<<"\nEnter 1st no:";</pre>
cin>>x;
cout<<"\nEnter 2nd no:";
cin>>y;
cout<<"\nsum="<<x+y;</pre>
cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more Additions?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 2 :
char response='y';
while (response!='n'){
float x,y;
cout<<"\nEnter 1st no:";</pre>
cin>>x;
cout << "\nEnter 2nd no: ";
cin>>y;
cout << "\nDifference="<<x-y;
cout<<"\nPress enter to continue";</pre>
cout<<"\nDo you want more Subtraction?[y/n]"; cin>>response; if
(response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 3 :
char response='y';
while (response!='n'){
float x,y;
cout<<"\nEnter 1st no:";</pre>
cin>>x;
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cout << "\nEnter 2nd no: ";
cin>>v;
cout << "\nProduct = " << x*y;
cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more Multiplication?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 4:
char response='y';
while (response!='n'){
int x,y;
cout<<"\nEnter Dividend:";</pre>
cin>>x;
cout<<"\nEnter Divisor:";</pre>
cin>>y;
cout << "\nQuotient = " << (x/y) << " Remainder = " << (x % y); cout << "\nPress enter to continue";
getch();
cout<<"\nDo you want more Division?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 5 :
char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the decimal no:";</pre>
cin>>x;
cout<<"\nAbsolute value="<<fabs(x); cout<<"\nPress enter to continue";</pre>
qetch();
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 6:
char response='y';
while (response!='n'){
double x,y;
cout<<"\nEnter base no:";</pre>
cin>>x;
cout<<"\nEnter exponent:"; cin>>y;
cout << "\nResult = "<< pow(x,y);
cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more Exponential Multiplications?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 7 :
char response='y';
while (response!='n'){
double x;
cout << "\nEnter the no: ";
cin>>x;
cout<<"\nSquare Root="<<sqrt(x); cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more Square roots?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break;}
case 8 :
char response='y';
while (response!='n'){
double x; cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nRequired Sine Value="<<sin(x); cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
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break; }
case 9:
char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nRequired Cosine Value="<<cos(x); cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 10 :
char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nRequired Tangent Value="<<tan(x); cout<<"\nPress enter to continue";</pre>
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
case 11 :
char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nApprox Cosecant Value="<<1/(sin(x)); cout<<"\nPress enter to continue";</pre>
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 12 :
char response='y'; while (response!='n'){
double x;
cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nApprox secant Value="<<1/(cos(x)); cout<<"\nPress enter to continue";</pre>
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 13 :
char response='y';
while (response!='n'){
cout<<"\nEnter the angle(in radians):"; cin>>x;
cout<<"\nApprox Cotangent Value="<<1/(tan(x)); cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more like these?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 14 :
char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the no.:";</pre>
cin>>x;
cout<<"\nNatural Logarithm="<<log(x); cout<<"\nPress enter to continue";</pre>
getch();
cout<<"\nDo you want more Log values?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break; }
case 15 :
{
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char response='y';
while (response!='n'){
double x;
cout<<"\nEnter the no.:";</pre>
cin>>x;
getch();
cout<<"\nDo you want more Log values?[y/n]"; cin>>response;
if (response=='y'){cout<<"\nlets start again";} else{break;}}</pre>
break;}
default:
{ cout<<"\nInvalid Value";
break;
cout<<"\nDo you want to use other Calculations?[y/n]"; cin>>continu;
if (continu=='y'){cout<<"\nLets start again";} else{cout<<"\n USE ME WHEN YOU NEED\n";
break;
getch();}
return 0;
}
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