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**Lab Task#6**

**Qusetion#1**

#include <iostream>

using namespace std;

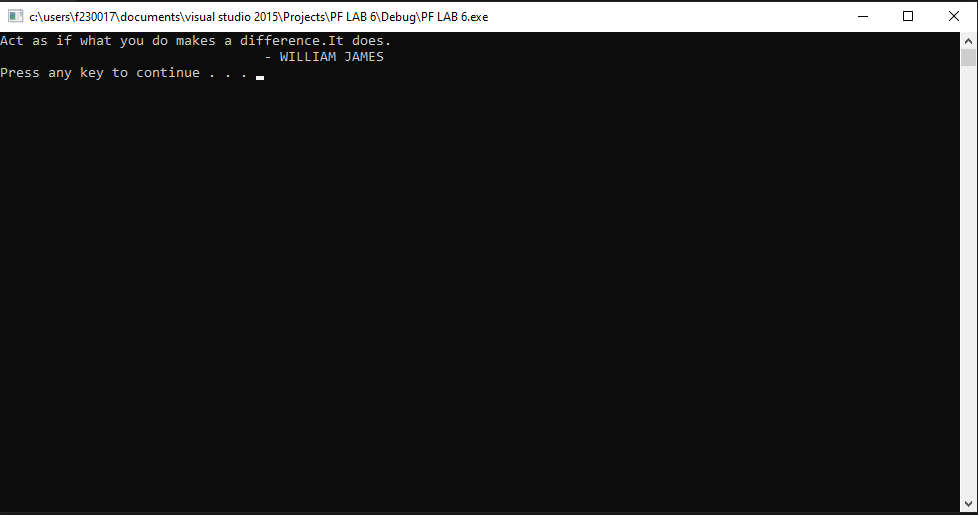
int main() {

cout << "Act as if what you do makes a difference.It does."<<endl;

cout << " - WILLIAM JAMES" << endl;

system ("pause");

}



Question#2

#include <iostream>

using namespace std;

int main() {

int num1, num2, num3;

cout << "Enter first number :"; cin >> num1;

cout << "Enter second number :"; cin >> num2;

num3 = num2;

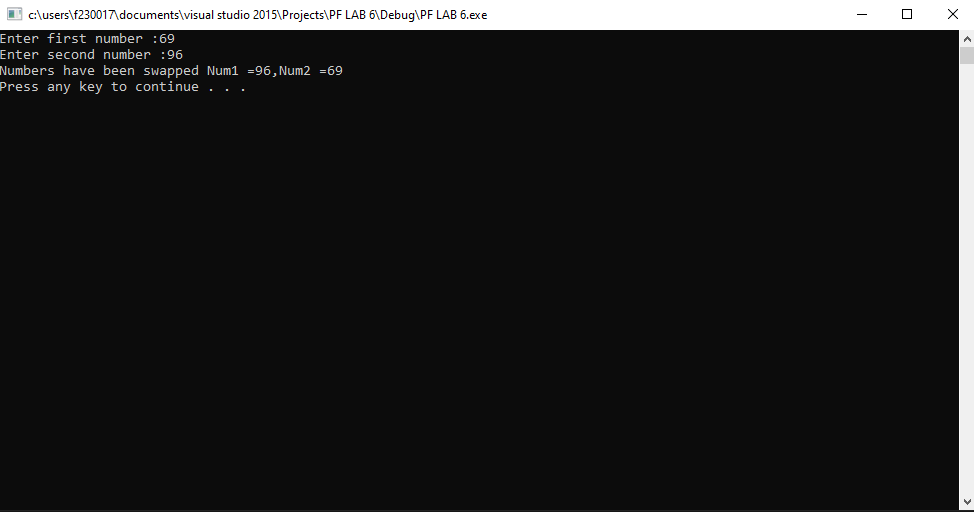
num2 = num1;

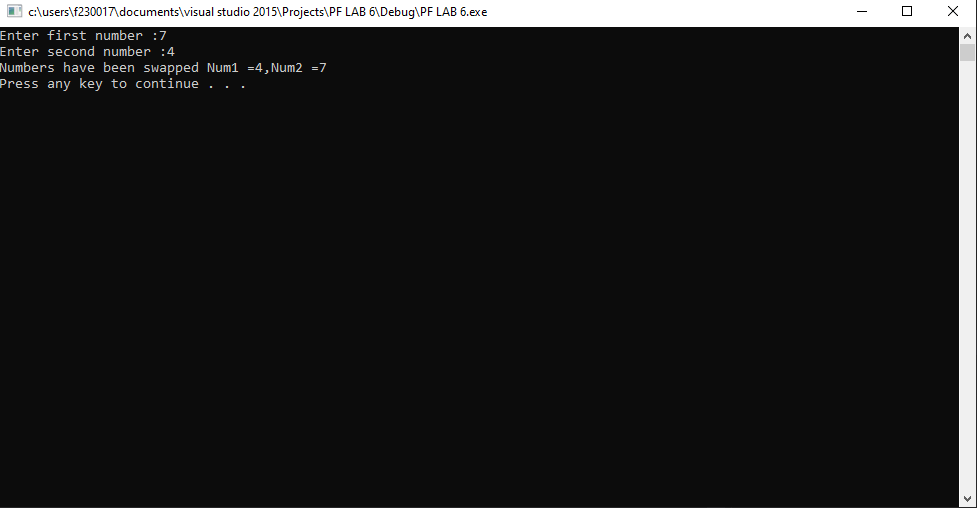
num1 = num3;

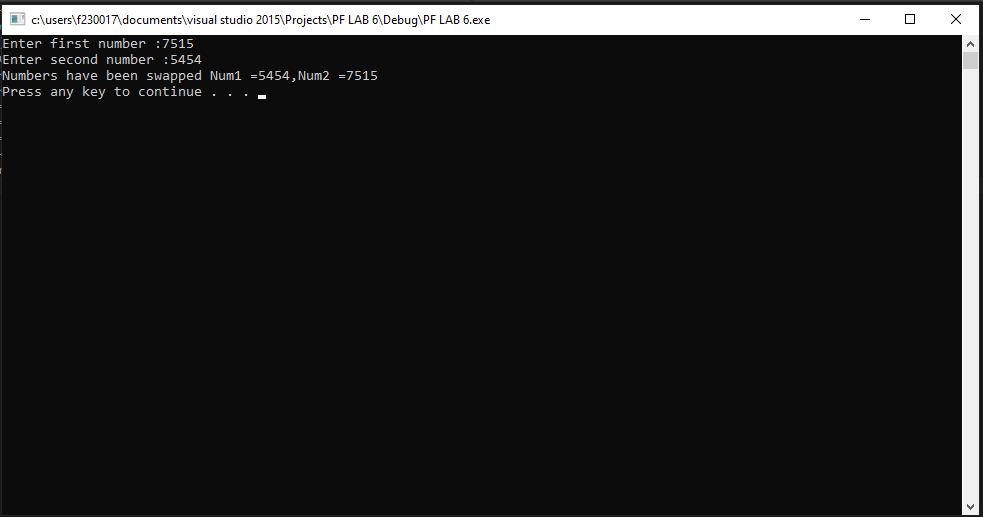
cout << "Numbers have been swapped" << " Num1 =" << num1 << ",Num2 =" << num2 << endl;

system ("pause");

}







Question#3

#include <iostream>

using namespace std;

int main() {

float num1, num2, num3, sum, avg;

cout << "Enter first number :"; cin >> num1;

cout << "Enter second number :"; cin >> num2;

cout << "Enter third number :"; cin >> num3;

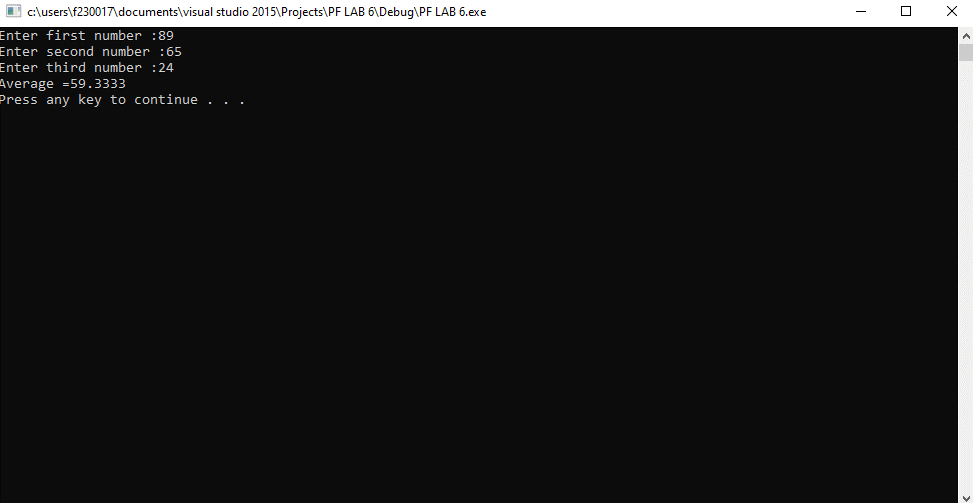
sum = num1 + num2 + num3;

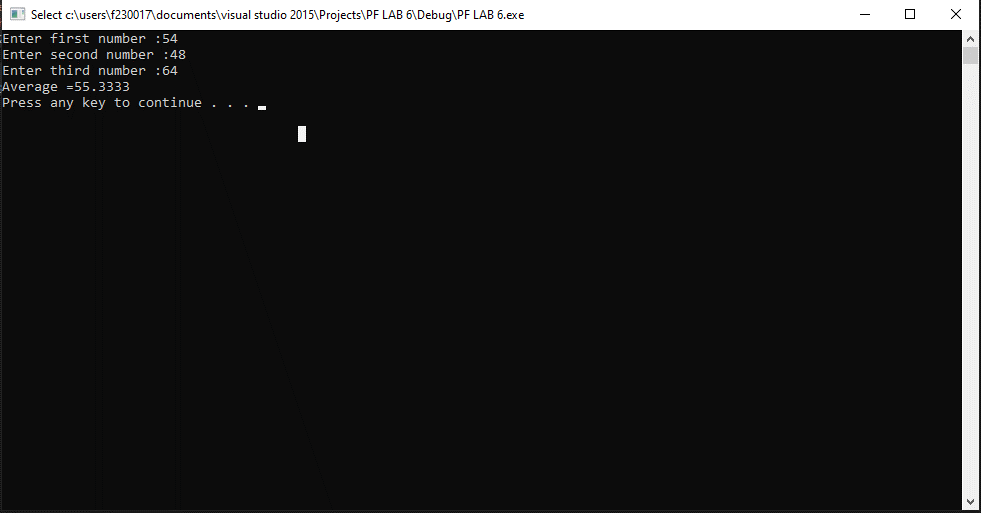
avg = sum / 3;

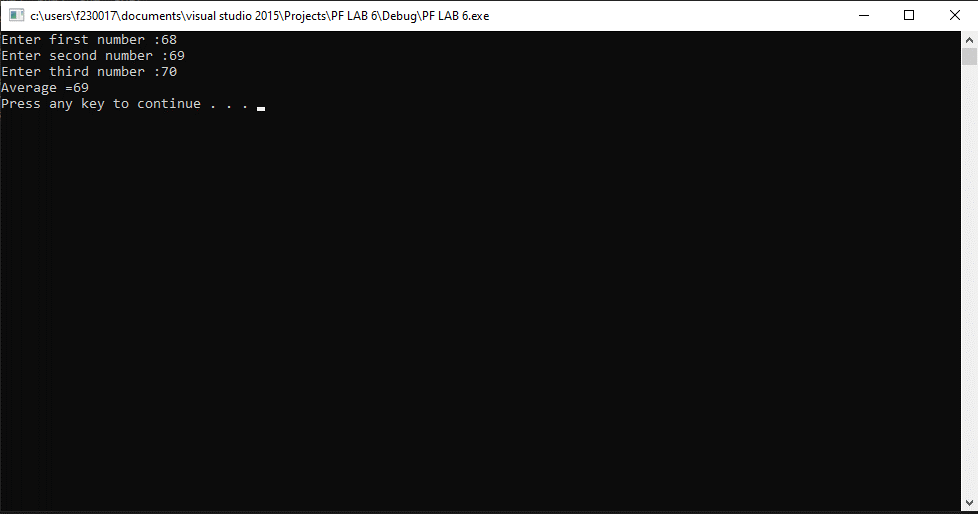
cout << "Average =" << avg << endl;

system ("pause");

}







Question#4

#include <iostream>

using namespace std;

int main() {

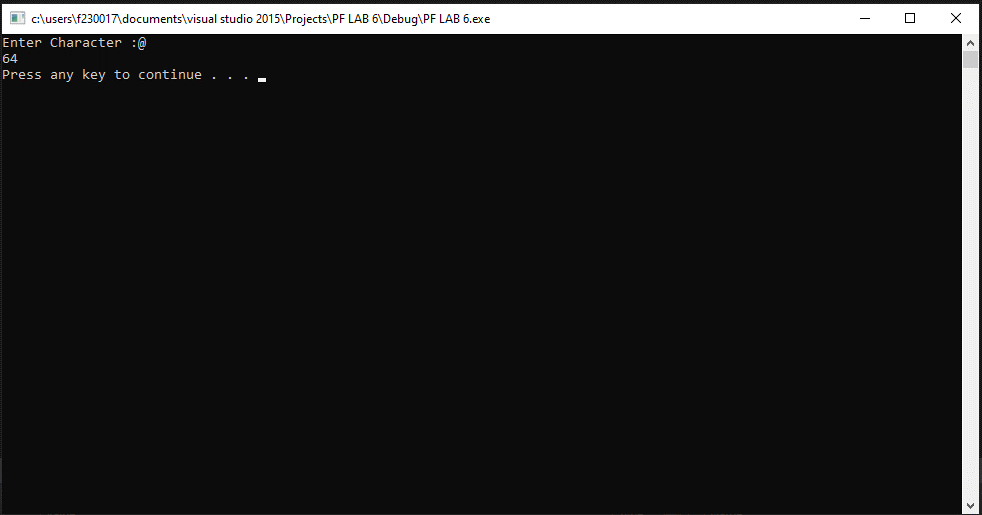
char val;

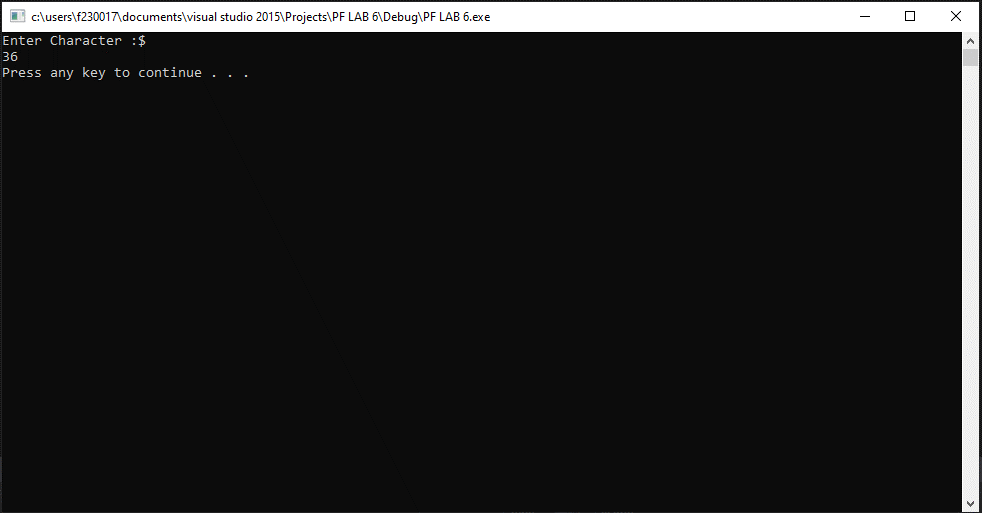
cout << "Enter Character :"; cin >> val;

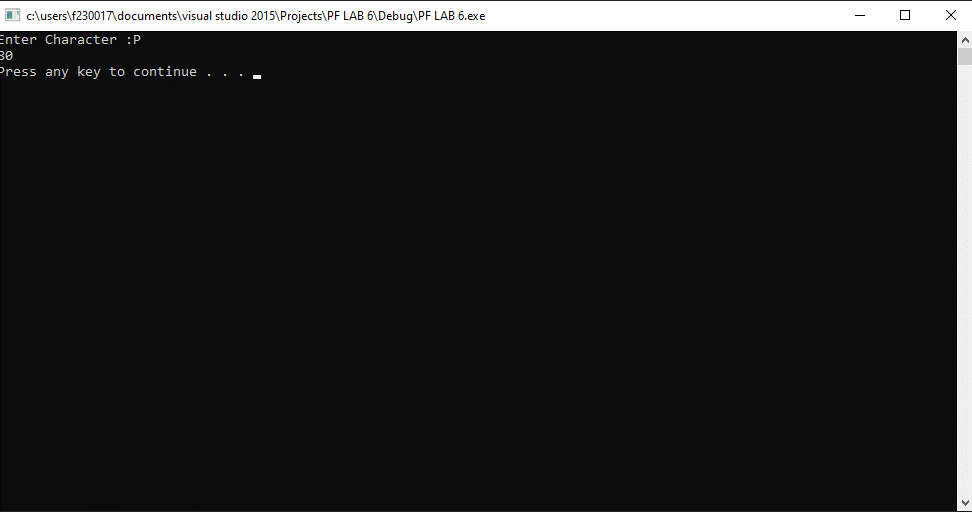
cout << int (val)<<endl;

system ("pause");

}







Question#5

#include <iostream>

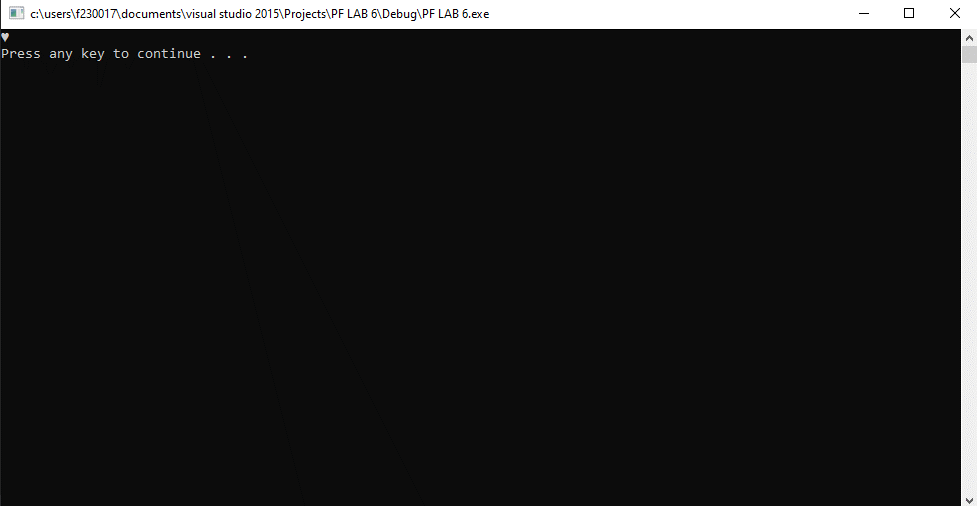
using namespace std;

int main() {

cout << "\3" << endl;

system ("pause");

}



Question#6

#include <iostream>

using namespace std;

int main() {

char ch;

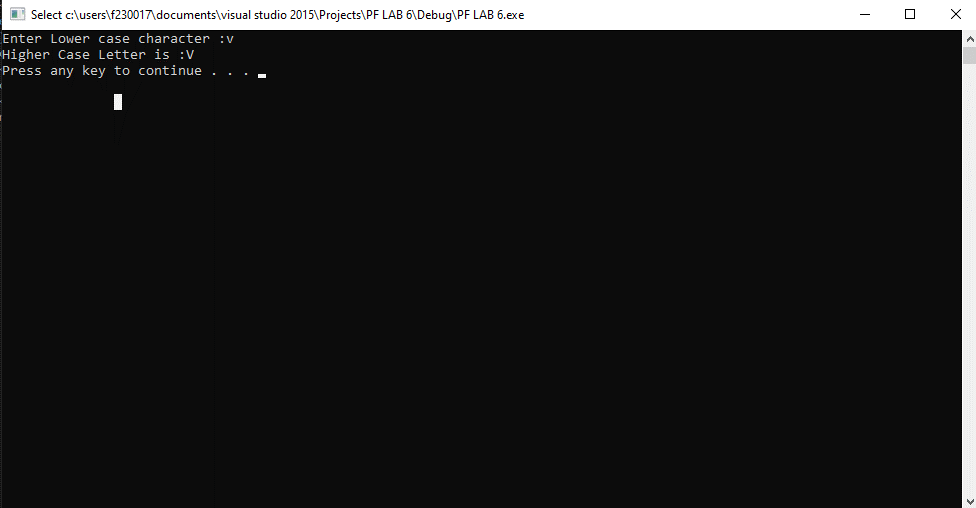
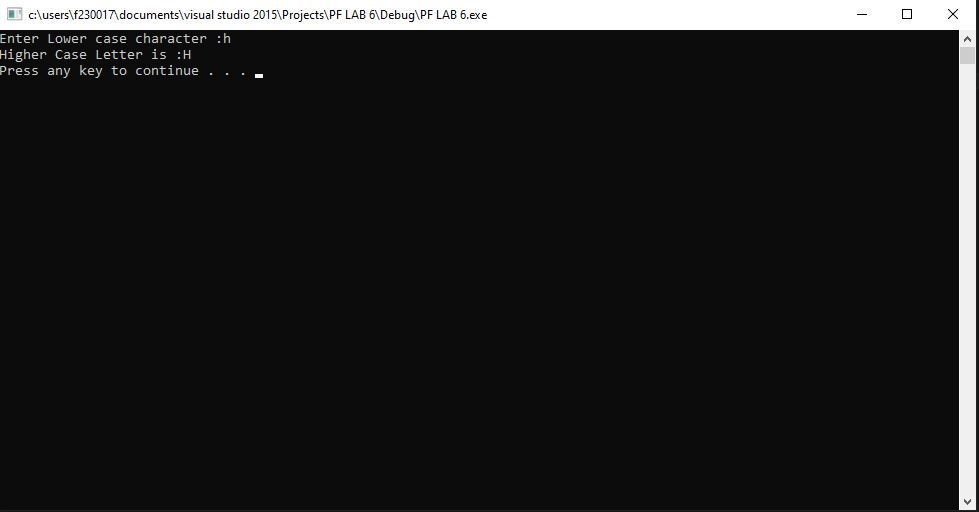
cout << "Enter Lower case character :"; cin >> ch;

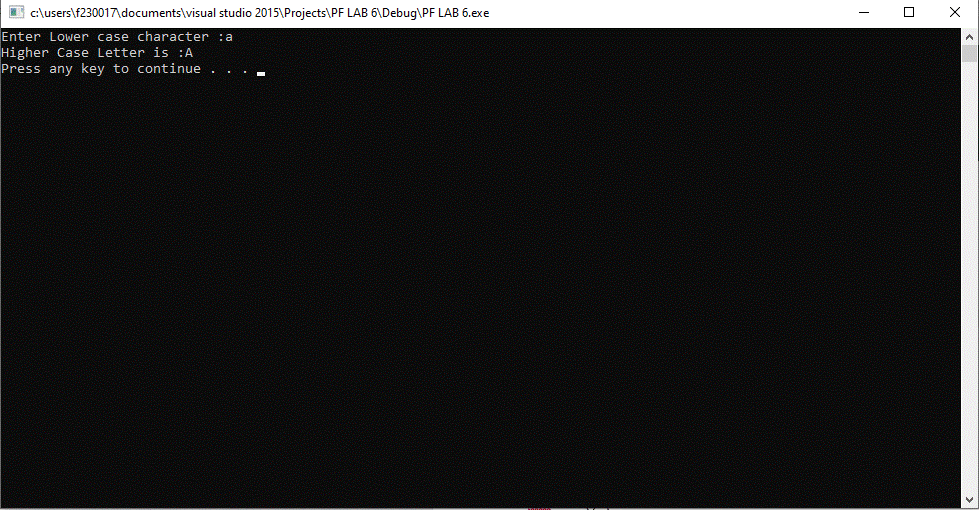
ch = ch - 32;

cout << "Higher Case Letter is :" << ch << endl;

system ("pause");

}





Question#7

#include <iostream>

using namespace std;

int main() {

int hrs, mins, sec,seconds;

cout << "Enter total seconds :"; cin >> sec;

mins = sec % 60;

seconds = sec % 60;

hrs = mins % 60;

cout << "Time :" << hrs << "/" << mins << "/" << seconds << endl;

system ("pause");

}

Question#8

#include <iostream>

using namespace std;

int main() {

float total\_income, capital\_gain, interest\_income, sale\_amount, incm\_tax, cptl\_tax\_gain, inrst\_tx\_rt, Income\_tax,Capital\_Gain\_Tax,Intrest\_tax,Sales\_tax,sale\_rt;

cout << "Enter Total Income :"; cin >> total\_income;

cout << "Enter Capital Gain :"; cin >>capital\_gain;

cout << "Enter Interest Income :"; cin >> interest\_income;

cout << "Enter Total Sales Amount :"; cin >> sale\_amount;

cout << "Enter Income Tax rate in % :"; cin >> incm\_tax;

cout << "Enter Capital Gains Tax Rate in % :"; cin >> cptl\_tax\_gain;

cout << "Enter Interest Tax Rate in % :"; cin >> inrst\_tx\_rt;

cout << "Enter Sales Tax Rate in % :"; cin >> sale\_rt;

Income\_tax = (incm\_tax / 100)\*total\_income;

Capital\_Gain\_Tax = (cptl\_tax\_gain / 100)\*capital\_gain;

Intrest\_tax = (inrst\_tx\_rt / 100)\*interest\_income;

Sales\_tax = (sale\_rt / 100)\*sale\_amount;

cout << "Income Tax :" << Income\_tax << endl;

cout << "Capital Gain Tax :" << Capital\_Gain\_Tax<<endl;

cout << "Interest Tax :" << Intrest\_tax;

cout << "Sales Tax :"<<Sales\_tax;

system ("pause");

}