Jeremy Scheuerman

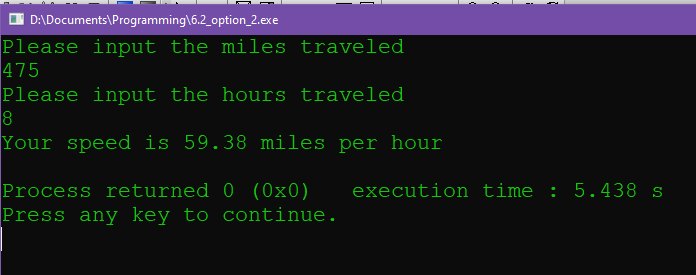
Dr. Wang

Lab 6 part 2

6.4

Option 2

-The 2 input variables are pass by reference the output value is pass by value



Source Code

#include <iostream>

#include <iomanip>

using namespace std;

float find\_mph();

float find\_mph(float miles, float hours)

{

float mph=miles/hours;

//define and calculate

return mph;

}

int main()

{

float miles;

float hours;

float mph;

cout<< "Please input the miles traveled"<<endl;

cin>>miles;

cout<< "Please input the hours traveled"<<endl;

cin>>hours;

mph=find\_mph(miles,hours);

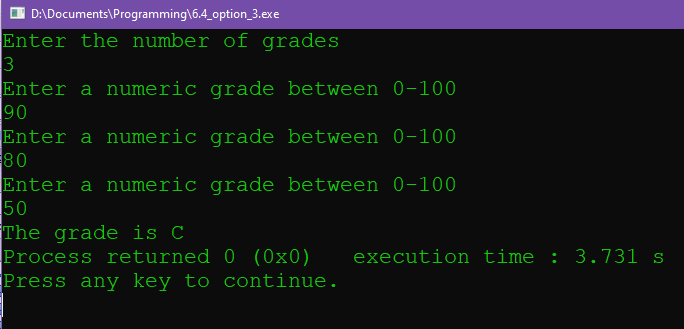
//return

cout<< "Your speed is "<<fixed<<setprecision(2)<<mph<<" miles per hour"<<endl;

return 0;

}

Option 3



Source Code

#include <iostream>

#include <iomanip>

using namespace std;

float calc\_grade();

float calc\_grade(int num\_grades,float grade\_total)

{

float final\_average;

//define

final\_average=grade\_total/num\_grades;

//get average

return final\_average;

}

int main()

{

int num\_grades=0;

int sum\_grades=0;

char letter\_grade;

float final\_average=0;

//define

cout<<"Enter the number of grades"<<endl;

cin>>num\_grades;

for (int i=0; i<num\_grades; i++)

//get input of grades

{

int temp=0;

cout<<"Enter a numeric grade between 0-100"<<endl;

cin>>temp;

sum\_grades+=temp;

}

final\_average=calc\_grade(num\_grades,sum\_grades);

//get letter grade

if ((final\_average<=100)&&(final\_average>=90))

{

letter\_grade='A';

}

else if ((final\_average<=89)&&(final\_average>=80))

{

letter\_grade='B';

}

else if ((final\_average<=79)&&(final\_average>=70))

{

letter\_grade='C';

}

else if ((final\_average<=69)&&(final\_average>=60))

{

letter\_grade='D';

}

else if ((final\_average<=59)&&(final\_average>=0))

{

letter\_grade='F';

}

else

{

letter\_grade='X';

//if grade is outside of range give it X as error

}

cout<<"The grade is "<<letter\_grade;

return 0;

}