**FUNCTION**

#include <iostream>

using namespace std;

float multiply(float &num, float constant);

float multiply(float &num, float constant)

{

float mul;

mul = num \* constant;

return mul;

}

int main()

{

float number, c, result;

cout << "Enter a constant: ";

cin >> c;

cout << "Enter the three numbers: ";

for (int i = 0; i < 3; i++)

{

cin >> number;

result = multiply(number, c);

cout << "After multiplication new number " << i + 1 << " is " << result << endl;

}

}

**EXERCISE 2DARRAY.**

#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

int main()

{

int staffid[4], salary[4];

int min = 0, max = 0, maxindex, minindex;

string name[4];

for (int i = 0; i < 4; i++)

{

cout << "Enter staff id: ";

cin >> staffid[i];

cout << "Enter staff name: ";

getline(cin.ignore(), name[i]);

cout << "Enter staff salary: ";

cin >> salary[i];

cout << endl;

if (salary[i] > max)

{

max = salary[i];

maxindex = i;

}

else

min = salary[i];

minindex = i;

}

cout << "Staff ID\tName\t\t\tSalary" << endl;

for (int i = 0; i < 4; i++)

{

cout << staffid[i] << "\t\t" << name[i] << "\t\t" << salary[i];

cout << endl;

}

cout << endl;

cout << "Maximum Salary" << endl;

cout << staffid[maxindex] << "\t\t" << name[maxindex] << "\t\t" << salary[maxindex];

cout << endl;

cout << "Minimum Salary" << endl;

cout << staffid[minindex] << "\t\t" << name[minindex] << "\t\t" << salary[minindex];

}

3. STRUCT : QUESTION 8 FROM CH11 PG644 EBOOK

8. Assume the declarations of Exercises 6 and 7. Write C++ statements that do the following:

a) Store the following information in newEmployee:

newEmployee.name.first =”Mickey”;

newEmployee.name.second =”Doe”;

newEmployee.pID = 111111111;

newEmployee.performanceRating = 2;

newEmployee.dept =”ACCT”;

newEmployee.salary = 34567.78;

b) In the array employees, initialize each performanceRating to 0.

for ( int i = 0; i < 100; i++)

employees[ i ].performanceRating = 0;

c) Copy the information of the 20th component of the array employees into newEmployee.

newEmployee = employees [19];

d) Update the salary of the 50th employee in the array employees by adding 5735.87 to its previous value.

employees [49].salary += 5735.87;