#include<iostream>

using namespace std;

//Function to calculate the monthly salary

double MonthlySalary(char department)

{

double initial\_salary;

if (department == 'd')

{

initial\_salary = 800;

}

if (department == 'm')

{

initial\_salary = 700;

}

if (department == 'h')

{

initial\_salary = 600;

}

return initial\_salary;

}

//Function to calculate annual salary, takes department and monthly salary as input

double annual\_salary(char department, double month\_sal)

{

double annual\_salary;

if (department == 'd')

{

annual\_salary = (month\_sal\*12) + 2\*(0.1\*month\_sal);//incremented by 10 pc twice

}

if (department == 'm')

{

annual\_salary = (month\_sal \* 12) + 2\*(0.08\*month\_sal);//incremented by 8 pc twice

}

if (department == 'h')

{

annual\_salary = (month\_sal \* 12) + 2\*(0.06\*month\_sal);//incremented by 6 pc twice

}

return annual\_salary;

}

//Function to calculate total expense on salaries of all three departments

double total\_expense(double total\_annual\_sal, int no\_of\_employees)

{

double TOTAL\_EXP = total\_annual\_sal\*no\_of\_employees;

return TOTAL\_EXP;

}

int main()

{

//Display the menu

cout << "Choose your department: " << " type 'd' for DEVELOPER" << endl<< " 'm' for marketing" <<endl<< "'h' for Human Resource" << endl;

char department;

cin >> department;

double salary;

salary = MonthlySalary(department);

cout << "Enter your experience in years" << endl;

int experience;

cin >> experience;

if (experience > 2)

{

salary = salary + (50\*(experience-2));// 50 increment per each year over 2 years

cout << "Your new salary is " << salary << endl;

}

else

{

cout << "Your salary is same as before " << endl;

}

//Calculate Annual salary

double ANNUAL\_SAL;

ANNUAL\_SAL = annual\_salary(department, salary);

cout << "Your annual salary, including all bonuses is equal to " << ANNUAL\_SAL << endl;

//Calculate total expense for a department

double Total\_exp;

int no\_employees;

cout << "How many employees the depatment has?" << endl;

cin >> no\_employees;

Total\_exp = total\_expense(ANNUAL\_SAL, no\_employees);

cout << "The total expense of the department on salaries is " << Total\_exp << endl;

return 0;

}

SCREENSHOTTTT OF OUTPUT

![Text

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