Answer on Question#39302- Programming, C++

1. In a very small organization there are 25 staff. Each staff salary is between 3000 to 15000. You need to find the breakdown of staff whose salary is between 3000 to 5000, 5001 to 10000 and 10001 to 15000. For each staff, the company is paying 13% from the salary to the Provident Fund (PF). Display the the number of staff for each breakdown and the total amount that the company has to pay to the PF.
please show pseudocode.
p.s. i just started taking programming so please explain a bit if possible.

Solution.

```cpp
#include <iostream>

using namespace std;

int main(int argc, char* argv[])
{
      const int cnt_staff=25;
      //As I understand it, you need to create an array of salaries staff
      int staff[cnt_staff]={0};

      //Fill an array with random numbers in the range of 3,000 to 15,000
      int random_number=0,firs_value=3000,last_value=15000;
      for(int i=0; i<cnt_staff; i++)
      {
         random_number = (firs_value + rand()) % last_value;
         cout<<random_number<<", ";
         staff[i]=random_number;
      }

      //Divide the employee's salary into categories
      int cgs[3]={0};
      for(int i=0; i<cnt_staff; i++)
      {
            if(staff[i]>=3000 && staff[i]<=5000){ cgs[0]++; }
            if(staff[i]>=5001 && staff[i]<=10000){ cgs[1]++; }
            if(staff[i]>=10001 && staff[i]<=15000){ cgs[2]++; }
      }

      cout<<endl<<endl;
      cout<<"Category 3000 to 5000: "<<cgs[0]<<endl;
      cout<<"Category 5001 to 10000: "<<cgs[1]<<endl;
      cout<<"Category 10001 to 15000: "<<cgs[2]<<endl;

      //Calculate the percentage
      int prc=0;
      for(int i=0; i<cnt_staff; i++)
      {
            prc+=staff[i]/100*13;
      }

      cout<<"====================="<<endl;
      cout<<"The total amount that the company has to pay to the PF: "<<prc;

   cin.get();
```
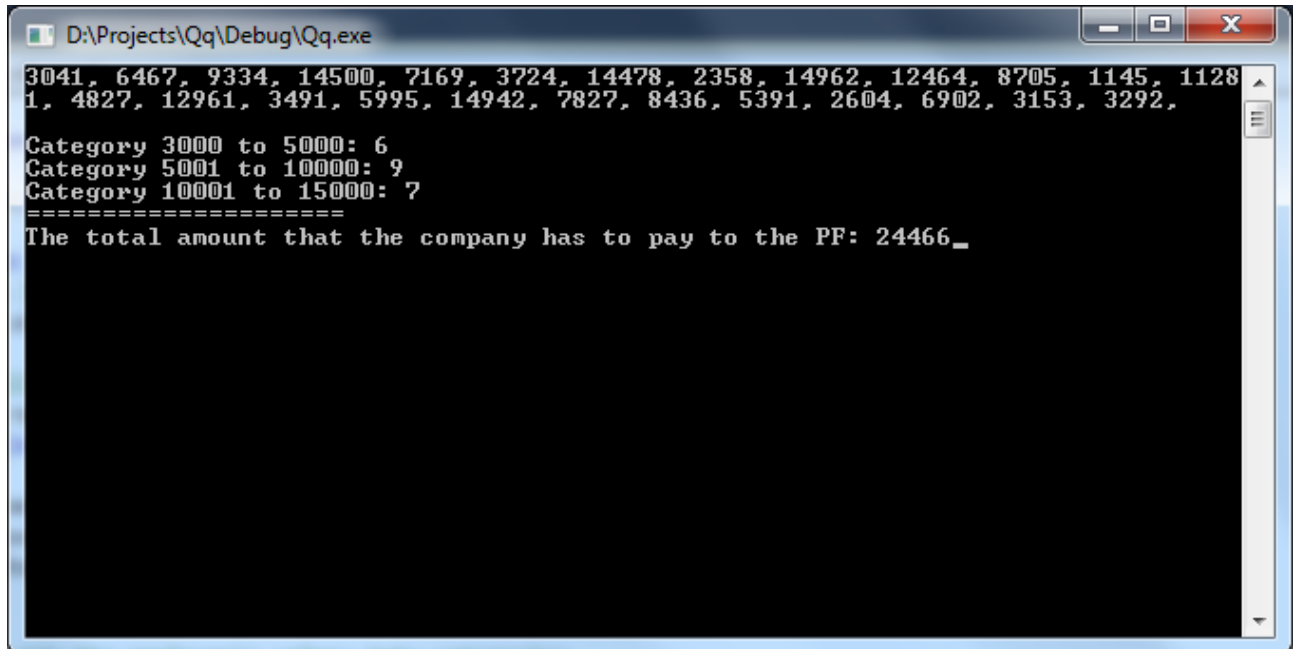
```
    return 0;
}
```



```
3041, 6467, 9334, 14500, 7169, 3724, 14478, 2358, 14962, 12464, 8705, 1145, 1128
1, 4827, 12961, 3491, 5995, 14942, 7827, 8436, 5391, 2604, 6902, 3153, 3292,

Category 3000 to 5000: 6
Category 5001 to 10000: 9
Category 10001 to 15000: 7
====================
The total amount that the company has to pay to the PF: 24466_
```