1. Given that an EMPLOYEE class contains following members: Employee Number, Employee Name, Basic, DA, IT, Net Salary. Member functions: to read the data, to calculate Net Salary and to print data members. Write a C++ program to read the data of N employees and compute Net Salary of each employee. (Dearness Allowance (DA) = 52% of Basic and Income Tax (IT) = 30% of the gross salary. Net Salary = Basic + DA - IT).

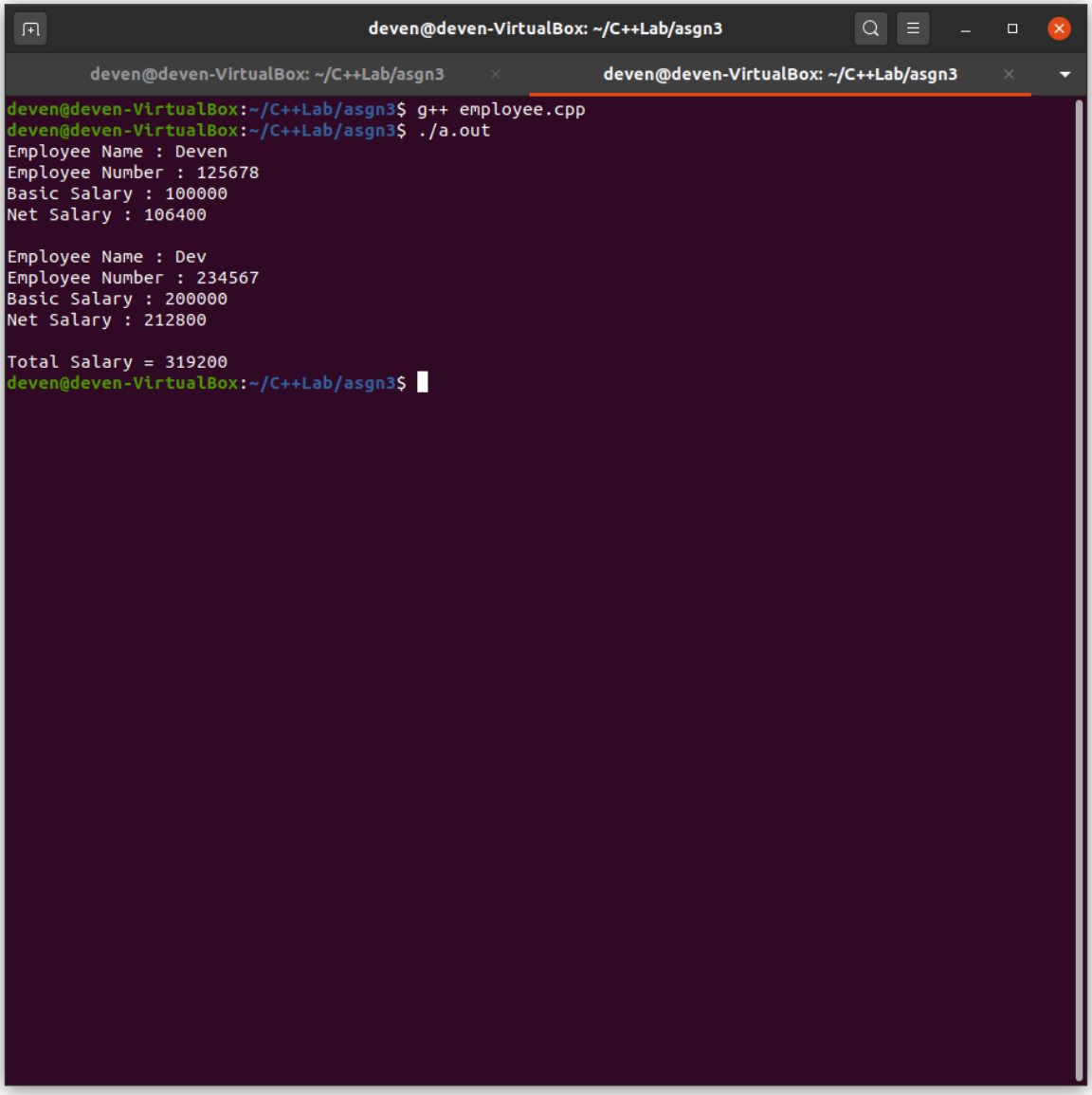
- prepare default constructor, parameterized constructor

- array of objects

- add two employees salary

```
#include <iostream>
#include <string>
using namespace std;

class employee
{
	private:
		string name;
		int number;
		float basicSalary,netSalary;
	public:
		employee():name("NULL"),number(0),basicSalary(0.0){}
		employee(string name,int no,float bsly):name(name),number(no),basicSalary(bsly){}
		void calculateNetSalary();
		void displayDetails();
		int addSalary(employee e);
};

void employee::calculateNetSalary()
{
	float dearnessAllowance,grossSalary,incomeTax;//no need to display these, these are needed only to calculate,so not declaring in private but here
	dearnessAllowance=(basicSalary*52)/100;
	grossSalary=basicSalary+dearnessAllowance;
	incomeTax=(grossSalary*30)/100;
```

```
        netSalary=basicSalary+dearnessAllowance-incomeTax;
}

int employee::addSalary(employee e)
{
        int total=0;
        total=netSalary+e.netSalary;
        return total;
}

void employee::displayDetails()
{
        cout<<"Employee Name : "<<name<<endl;
        cout<<"Employee Number : "<<number<<endl;
        cout<<"Basic Salary : "<<basicSalary<<endl;
        cout<<"Net Salary : "<<netSalary<<endl<<endl;
}

int main()
{
        employee e1("Deven",125678,100000.0);
        employee e2("Dev",234567,200000.0);
        e1.calculateNetSalary();
        e1.displayDetails();
        e2.calculateNetSalary();
        e2.displayDetails();
        int total=e1.addSalary(e2);
        cout<<"Total Salary = "<<total<<endl;
        return 0;
}
```



2. inline function to print sqrt of a number [separate program]

```
#include <iostream>
#include <cmath>
using namespace std;

inline float sqroot(float n)
{
        return sqrt(n);
}
```

```
int main()
{
	float n;
	cout<<"Enter a number : ";
	cin>>n;
	cout<<"The square root of "<<n<<" is "<<sqroot(n)<<endl;
	return 0;
}
```