



NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
LAHORE



Course Name & Section Hi DOP Date _____

Student's Name Ali Adnan Roll No 2310839 Section _____

Q / Part No.

Rough
Work

2/10

Q1

a)

~~Developers as Developer~~

Employee

Class ~~Developer~~ {

String Name;

String id;

int ~~base~~ Salary;

Public:

Developer ();

Developer (String Name, String id, int Salary);

}

~~Developer~~ ^{Employee} ~~Developer~~ () {

Name = " ";

id = " ";

Base Salary = 0;

}

~~Developer~~ ^{Employee} ~~Developer~~

~~Developer~~ (String Name, String id, int Salary)

{

This → Name = Name;

This → id = id;

Base Salary = Salary;

} ^{Employee}

String ~~Developer~~ :: Get-Name ()

{

return Name;

}

Calculate Salary?


```

    Employee
    String Developer :: Get-Id ()
    {
        return Id;
    }

```

```

    Employee
    int Developer :: Get-Salary ()
    {
        return BaseSalary;
    }

```

Class Developer : Public Employee {

```

    String Programming Language;
    int Year-of-experience;
    int Bonus

```

Public:

```

    Developers () {

```

```

    int Get-Yearof-experience () {

```

```

    Developers :: Developers ()
    {

```

```

        Programming-Language = " ";
        Yearof-experience = 0;
    }

```

```

    Developers :: Developers (String Name, String Id, String Int Salary, Language, Int Programmer experience)

```

```

    { : Employee (Name, BId, Salary)
    {

```

```

        Programming Language = Language;

```

```

        Yearof-experience = experience;

```

```

        Bonus = experience * 1000;
    }

```



```
class ProjectManager : public Employee
{
    int NumProject;
    double bonusRate;

public:
    void ProjectManager();
    void ProjectManager(int NumProject, double bonusRate);
}

ProjectManager::ProjectManager() {
    NumProject = 0;
    bonusRate = 0;
}

ProjectManager::ProjectManager(int NumProject, double bonusRate) {
    NumProject = NumProject;
    bonusRate = bonusRate;
}
```