

You have to implement the scenario showed in the attached diagram.

Implement the classes in a detailed way.

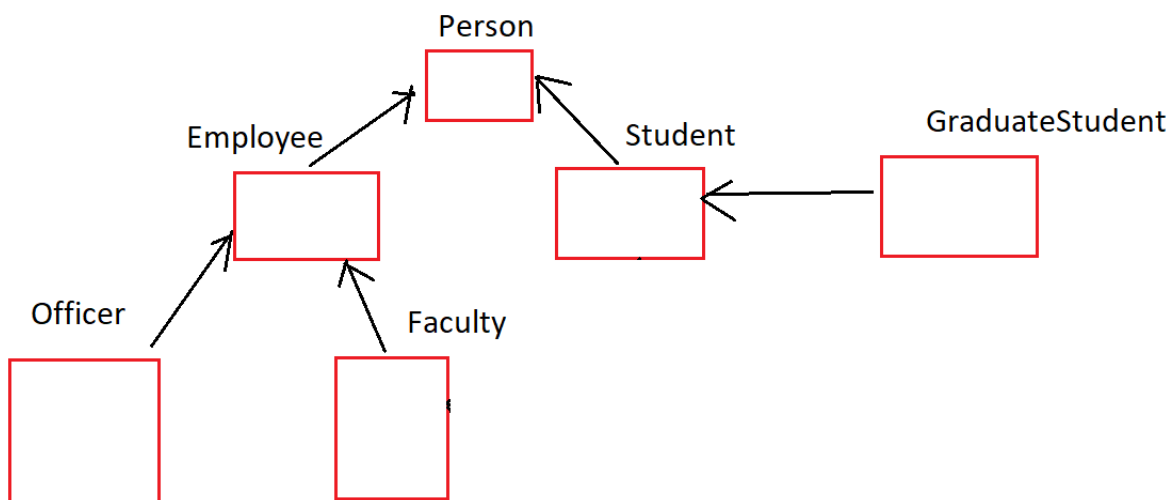
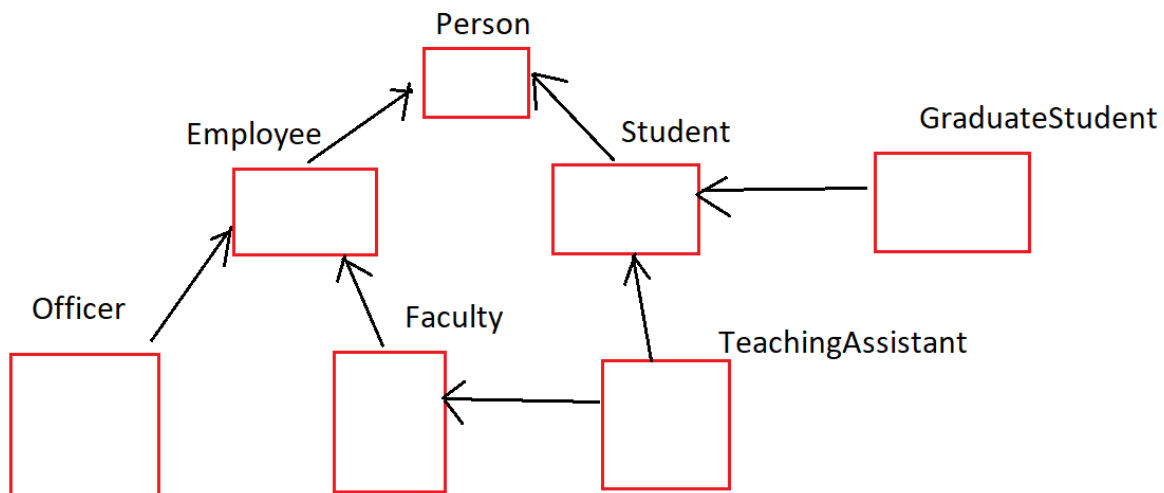
Each and every property has to be properly selected and use proper access modifiers with proper reason.

Show the use of inherited classes in main function.

YOU HAVE TO PROPERLY COMMENT YOUR CODE OTHER WISE MARKS WILL BE DEDUCTED.

You have to submit Two Version of this code

1. **Without TA class**
2. **With TA class using virtual inheritance.**



```
"I:\Academic\OneDrive - American International University-Bangladesh\Academic\Programming\OOP Practice\Inheritance\inheritance_anisul2.exe"
Person:
Name : Mahi
Age : 22
Marrital status : unmarried
Nationality : Bangladesh
Phone : 01823035590

Employee
Name : MONIR
Age : 49
Post : M.D
work time : 4 to 5 HOUR
national id : 01980999708
Salary : 50000

Student
Name : Mahi
Age : 18
Name of institute : AIUB
CGPA : 3.75
ID : 21-45127-2
Department : CSE
Semester : 1st

Officer
Name : KARIM
Age : 52
Name of institute : National Bank
Post : Manager
work time : 10 to 4 HOUR
national id : 723456789
Salary : 65000

Faculty
Name : RAHIM
Age : 36
Name of institute : AIUB
Post : Assistant teacher
work time : 5 to 4 HOUR
national id : 098637389
Salary : 20000

Scholaship_Student
Name : Fahim
Age : 23
Name of institute : AIUB
CGPA : 3.85
ID : 20-45127-2
Department : CSE
Semester : 3rd
Fail or Drop : No

Process returned 0 (0x0)   execution time : 0.218 s
Press any key to continue.
```