```cpp
1  /*
2      Files: Student.h, Student.cpp
3      Author: Gabriel Hunt
4      Date Last Modified: 9/18/2017
5  */
6
7  #include<string>
8  #include<iostream>
9  #include<vector>
10 using namespace std;
11
12 class Student
13 {
14 public:
15     Student();
16     Student(string name, int age, int stID);
17     ~Student();
18     virtual void printInfo() = 0;
19     void printDifferentObjects(vector <Student*> roster);
20
21 protected:
22     string name;
23     int age, studentID;
24 };
25
26 class Undergraduate : public Student
27 {
28 private:
29     int year, coursesCompleted;
30
31 public:
32     Undergraduate();
33     Undergraduate(int year, int numCourses, string name, int age, int id);
34     void printInfo();
35 };
36
37 class Graduate : public Student
38 {
39 private:
40     string advisorName, thesisTitle;
41
42 public:
43     Graduate();
44     Graduate(string advisorName, string title, string name, int age, int id);
45     void printInfo();
46 };
47
48
```