1. Create an interface project and two classes public\_project and private\_project where public\_project and private\_project will inherit interface project. [5]

**Interface project** :

Abstract double revenue ();

Abstract double total\_tax ();

**Class public\_project implements project :**

String project\_name (public), double estimated\_revenue (public), double tax (public);

Public\_project () {default constructor}

Public\_project (String name, double estimated\_revenue, double tax) {Assign these variables ;}

Double revenue () {

Return estimated\_revenue\*0.9;

}

Double total\_tax () {

Return tax;

}

**Class private\_project implements project :**

String project\_name (public), double estimated\_revenue (public), double tax (public);

Private\_project () {default constructor}

Private\_project (String name, double estimated\_revenue, double tax) {Assign these variables ;}

Double revenue () {

Return estimated\_revenue\*0.8;

}

Double total\_tax () {

Return tax\*1.1;

}