Chapter 14 Review Questions

1. a. Public, because a polar bear is a type of bear
    b. Private, because a home has a kitchen
    c. Public, because a programmer is a person
    d. Private, because a horse and jockey team has a person
    e. Public for person, because a driver is a person
       Private for automobile, because a driver has an automobile

2.
```
void Gloam::tell()
{
   std::cout << glip;
   fb.tell();
}

Gloam::Gloam(int g, const char * s) : frabjous (s)
{
   glip = g;
}

Gloam::Gloam (int g, const Frabjous & fr) : frabjous (fr)
{
   glip = g;
}
```

3.
```
void Gloam::tell()
{
   std::cout << glip;
   std::cout << frabjous::tell();
}

Gloam::Gloam(int g, const char * s) : frabjous (s)
{
   glip = g;
}

Gloam::Gloam (int g, const Frabjous & fr) : frabjous (fr)
{
   glip = g;
}
```

4.
```
class Stack<worker *>
{
private:
```

```
      enum { MAX = 10 };
      Worker * items[MAX];
      int top;
   public:
      Stack();
      Boolean isempty();
      Boolean isfull();
      Boolean push (const Worker * & item);
      Boolean pop (worker * & item);
   };
```

5.
```
   ArrayTmp <string> arrayStr;
   StackTmp < ArrayTmp<double> > starrayDbl;
   ArrayTmp < stack < Worker * > > starrayWrkPtr;
```

6. Having a virtual base classes ensures that the derived class only has a single set of base members.