Pg. 723

#8

a.

i. Line 4
ii. Line 6
iii. Line 5

b.

```
employee::employee()
{
name = "" ;
numOfServiceYears = 0;
salary = 0.0;
}
```

c.

```
employee::employee(string a, int x, double y )
{
name = a;
numOfServiceYears = x;
salary = y;
}
```

d.

```
employee::employee(int x, double y)
{
name = "";
numOfServiceYears = x;
salary = y;
}
```

#10

a.

```
void employee::setData(string a, int x, double y)
{
name = a ;
numOfServiceYears = x;
salary = y;
}
```

b.

```
void employee::print() const;
{
cout <<name<<endl<<numOfServiceYears<<endl<<salary<<endl;
}
```

c.

```
void employee::updateSalary(double x)
{
salary += x;
}
```

d.

```
int employee::getNumServiceYears() const;
{
return numOfServiceYears;
}
```

e.

```
double employee::getSalary() const;
{
return salary;
}
```

f.

```
int main()
{
employee staff;
employee ex(Bart, 8, 180);
employee fac(Sal);

staff.setData(“name”,9,100);
staff.print();
staff.updateSalary(800);
cout <<staff.getSalary()<< endl;

ex.setData(“name”,9,100);
ex.print();
ex.updateSalary(800);
cout <<ex.getSalary()<< endl;

fac.setData(“name”,9,100);
fac.print();
fac.updateSalary(800);
cout <<fac.getSalary()<< endl;

return 0;
}
```

Pg. 801/802

14
a.
Private members of the base class cannot be accessed directly by the derived class.

b.
```
void print() const;
void set(int, int );
int sum();
```

16
a.
```
smart::smart()
{
int x = 0;
int y = 0;
int secret() = 0;
}
```

b.
```
superSmart::SuperSmart()
{
int z = 0;
}
```

c.
```
smart::smart(int a, int b)
{
x = a;
y = b;
}
```

d.
```
int smart::sum()
{
return x+y;
}
```

e.
```
int superSmart::manipulate()
{
return pow(x+y,z);
}
```