**abstract** **public** **class** StaffMember

{

**protected** String name;

**protected** String address;

**protected** String phone;

**public** StaffMember (String eName, String eAddress, String ePhone)

{

name = eName;

address = eAddress;

phone = ePhone;

}

**public** String toString()

{

String result = "Name: " + name + "\n";

result += "Address: " + address + "\n";

result += "Phone: " + phone;

**return** result;

}

**public** **abstract** **double** pay();

}

Write a **class** named Employee (SSN, payrate) with the following features:

1- It **extends** the Staffmember **class**.

2- Write two constructors without arguments and with arguments (to initialize name, address, phone, SSN and payrate)

3- Override the function toString() to return the information (Name, address, phone, SSN, payrate)

4- Write a sample main to test your program

**Extra:**

**class** Employee will also implement an Interface human which contains two functions eats and sleeps

**Advanced Extra:**

Use (or implement) the comparable **interface** to compare two employees