**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