

```
public class Payroll
{
private int [] hours = new int [7];
private double [] payRate = new double [7];
private int [] employeeId = {5658845,4520125,7895122,8777541,
8451277, 1302850, 7580489};
private double [] wages = new double [7];
int NUM_EMPLOYEES = 7;

public void setEmployeeIdAt(int i, int id)
{
employeeId[i] = id;
}

public void setHoursAt(int i, int h)
{
hours[i] = h;
}

public void setPayRateAt(int i, double p)
{
payRate[i] = p;
}

public void setWagesAt(int i, double w)
{
wages[i] = w;
}

public int getEmployeeIdAt (int i)
{
return employeeId[i];
}

public int getHoursAt(int i)
{
return hours[i];
}

public double getPayRateAt(int i)
{
return payRate[i];
}
```

```
public double getWagesAt(int i)
{
    return wages[i];
}
```

```
public double getGrossPay(int i)
{
    return hours[i] * payRate[i];
}
}
```

```
import java.util.Scanner;
import java.text.DecimalFormat;
```

```
public class PayrollDemo
{
    public static void main(String[] args)
    {
        int hours;
        double payRate;

        Scanner keyboard = new Scanner(System.in);

        Payroll pr = new Payroll();

        for (int i = 0; i < pr.NUM_EMPLOYEES; i++)
        {
            System.out.print("Enter the hours worked by employee "
+
                            "number " + pr.getEmployeeIdAt(i) +
                            ": ");
            hours = keyboard.nextInt();

            while (hours < 0)
            {
                System.out.print("ERROR: Enter 0 or greater for
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hours: ");
        hours = keyboard.nextInt();
    }

    System.out.print("Enter the hourly pay rate for
employee " +
                    "number " + pr.getEmployeeIdAt(i) +
                    ": ");
    payRate = keyboard.nextDouble();

    while (payRate < 6.0)
    {
        System.out.print("ERROR: Enter 6.00 or greater for
pay rate: ");
        payRate = keyboard.nextDouble();
    }

    pr.setHoursAt(i, hours);
    pr.setPayRateAt(i, payRate);
}

DecimalFormat dollar = new DecimalFormat("#,##0.00");

System.out.println("\nPAYROLL DATA");
System.out.println("=====");
for (int i = 0; i < pr.NUM_EMPLOYEES; i++)
{
    System.out.println("Employee ID: " +
                        pr.getEmployeeIdAt(i));
    System.out.println("Gross pay: $" +
                        dollar.format(pr.getGrossPay(i)) +
                        "\n");
}
}
}

```