

## Test 1

IBM1903107

B3

```
import java.util.Scanner;
```

```
class employee {
```

```
    String Empno, name;
```

```
}
```

```
class regular extends employee
```

```
{
```

```
    Scanner ss = new Scanner(System.in);
```

```
    void details()
```

```
{
```

```
        System.out.println("enter employee name and number");
```

```
        name = ss.next();
```

```
        empno = ss.next();
```

```
}
```

```
    void display()
```

```
{
```

```
        System.out.println(".....");
```

```
        System.out.println("name: " + name);
```

```
        System.out.println("empno: " + empno);
```

```
}
```

```
}
```

```
class regular-emp extends regular
```

```
{
```

```
    Scanner ss = new Scanner(System.in);
```

```
    double reg-pay;
```

```
    void reg()
```

```
{
```

```
        System.out.println("enter regular pay");
```

```
        reg-pay = ss.nextDouble();
```

```
}
```

class overtimeeligible extends RegularEmp

{

double add-pay;

Scanner ss = new Scanner(System.in);

void add()

{

System.out.println("enter additional pay for overtime work");

add-pay = ss.nextDouble();

}

void overtime()

{

double total = 0;

total = reg-pay + add-pay;

System.out.println("total pay of employee " + name + " is " + total);

}

}

class samp1 {

public static void main(String args[])

{

int n;

Scanner ss = new Scanner(System.in);

n = ss.nextInt();

overtime digble arr = new overtime[n];

```
for (int i=0; i<n; i++)
```

```
{
```

```
    a[i] = new overtimeeligible();
```

```
    a[i].details();
```

```
    a[i].deg();
```

```
    a[i].add();
```

```
    a[i].overtime();
```

```
}
```

```
double max = a[0].add-pay;
```

```
for (int i=0; i<n; i++)
```

```
{
```

```
    if (max < a[i].add-pay)
```

```
{
```

```
    max = a[i].add-pay;
```

```
    a[i].display();
```

```
}
```

```
}
```

```
System.out.println("highest overtime employee "+max);
```

```
}
```

```
}
```