

```
Public calss Zone{
    String displayName;

    Int offset;

    Public string getDisplayName(){
        return displayName;
    }

    public int getOffSet(){ return offset;}
}
```

```
Public class ZoneEastern extends Zone{
    public ZoneEastern(){
        displayName = "US/Eastern";
        offset = -5;
    }
}
```

```
public class ZoneCentral extends Zone{
    public ZoneCentral(){
        displayName = "US/Centrla";
        offset = -6;
    }
}
```

```
public class ZonePacific extends Zone{
    public ZonePacific(){
        displayName = "US/Pacific";
        offset = -7;
    }
}
```

```
public class ZoneFactory{  
    public Zone createZone(String zoneId){  
        Zone zone;  
        If (zoneId == "US/Pacific"){  
            zone = new ZonePacific();  
        }  
        If (zoneId == "US/ Centrla"){  
            zone = new ZoneCentral ();  
        }  
        If (zoneId == "US/ Eastern"){  
            zone = new ZoneEastern ();  
        }  
        return zone;  
    }  
}
```