**Properties:**

**------------**

**In java applications, if we have any data which we want to change frequently then we have to manage that type of data in a properties file, otherwise we have to perform recompilation on every modification.**

**The main purpose of properties files in java applications is,**

**1.To manage locale respective messages in I18N Appl.**

**2.To manage exception messages in Exception handling.**

**3.To manage validation messages in Data validations.**

**EX:**

**---**

**user.properties**

**----------------**

**uname=User Name**

**upwd=User password**

**uname.required=User Name is Required**

**upwd.required=User Password is required**

**exception.insufficientfunds=Funds are not sufficient in your Account.**

**In java applications, to repersent data of a particular properties file we have to use java.util.Properties class.**

**To get data from a particular properties file to Properties object we have to use the following steps.**

1. **Create Properties file with the data in the form of Key-value pairs.**
2. **Create Properties class object.**
3. **Create FileInputStream to get data from properties file.**
4. **Load data from FileInputStream to Properties object by using the following method.**

**public void load(FileInputStream fis)**

1. **Get data from Properties object by using the following method.**

**public String getProperty(String key)**

**To send data from Properties object to properties file we have to use the following steps.**

1. **Create Properties class object.**
2. **Set data to Properties object by using the following method.**

**public void setProperty(String key, String val)**

1. **Create FileOutputStream with the target file.**
2. **Store Properties object data to FileOutputStream by using the following method.**

**public void store(FileOutputStream fos, String des)**

**db.properties**

**-------------**

**driver\_Class=sun.jdbc.odbc.JdbcOdbcDriver**

**driver\_URL=jdbc:odbc:dsn\_name**

**db\_User=system**

**db\_Password=HK**

**Test.java**

**-----------**

**import java.util.\*;**

**import java.io.\*;**

**class Test**

**{**

**public static void main(String[] args)throws Exception**

**{**

**Properties p=new Properties();**

**FileInputStream fis=new FileInputStream("db.properties");**

**p.load(fis);**

**System.out.println("JDBC Parameters");**

**System.out.println("--------------------");**

**System.out.println("Driver\_Class :"+p.getProperty("driver\_Class"));**

**System.out.println("Driver\_URL :"+p.getProperty("driver\_URL"));**

**System.out.println("DB\_User :"+p.getProperty("db\_User"));**

**System.out.println("DB\_PAssword :"+p.getProperty("db\_Password"));**

**}**

**}**

**Test1.java**

**-----------**

**import java.util.\*;**

**import java.io.\*;**

**class Test1**

**{**

**public static void main(String[] args)throws Exception**

**{**

**Properties p=new Properties();**

**p.setProperty("uname","HK");**

**p.setProperty("upwd", "hk123");**

**p.setProperty("uqual", "M.Tech(IIT Dhanbad)");**

**p.setProperty("uemail", "khurana@srpec.com");**

**p.setProperty("umobile","91-9988776655");**

**FileOutputStream fos=new FileOutputStream("user.properties");**

**p.store(fos,"User Details");**

**}**

**}**