



**Mawlana Bhashani Science And Technology University**

## **Lab-Report**

Lab Report No: 0 5

Lab Report Name:

Group member ID: IT-1 8019 and IT-1803 7

Date of Performance:

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### **Submitted To**

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# 1 . Objectives :

The Daytime Protocol is a service in the Internet Protocol Suite, defined in 1983 in RFC 867. It is intended for testing and measurement purposes in computer networks.

A host may connect to a server that supports the Daytime Protocol on either Transmission Control Protocol (TCP) or User Datagram Protocol (UDP) port 13. The server returns an ASCII character string of the current date and time in an unspecified forma

# 2 . Theory :

This RFC specifies a standard for the ARPA Internet community. Hosts on the ARPA Internet that choose to implement a Daytime Protocol are expected to adopt and implement this standard.

A useful debugging and measurement tool is a daytime service. A daytime service

simply sends a the current date and time as a character string without regard to the input. TCP Based Daytime Service

One daytime service is defined as a connection based application on TCP. A server listens for TCP connections on TCP port 13.

Once a

connection is established the current date and time is sent out the

connection as a ascii character string (and any data received is

thrown away). The service closes the connection after

sending the quote. UDP  
Based Daytime Service

Another daytime service  
service is defined as a datagram  
based

application on UDP. A server  
listens for UDP datagrams on UDP  
port

13. When a datagram is  
received, an answering datagram  
is sent

containing the current date  
and time as a ASCII character  
string (the

data in the received datagram  
is ignored).

Daytime Syntax

There is no specific syntax  
for the daytime. It is  
recommended that it be

limited to the ASCII printing  
characters, space,  
carriage

return, and line feed. The  
daytime should be just one line.  
One popular syntax is:

Weekday, Month Day,  
Year Time-Zone

Example:

Tuesday, February  
22 , 1982 17:37:43-PST

### **3 . Methodology :**

Requirements:

1.A Desktop machine with minimum 2GB of RAM.

2.The Java SE Development Kit (JDK) 8 is required to install NetBeans IDE (NetBeans 8.2 does not run on JDK9).

Install Java JDK 8 Linux Mint:

1.To install Java 8 JDK version, first add following webupd8team/java PPA to your system and update the repository package database as shown.

```
$ sudo add-apt-repository ppa:webupd8team/ java
```

```
$ sudo apt-get update
```

2.Once PPA has been added and updated, now search for the packages with name oracle-java8 and install it as shown.

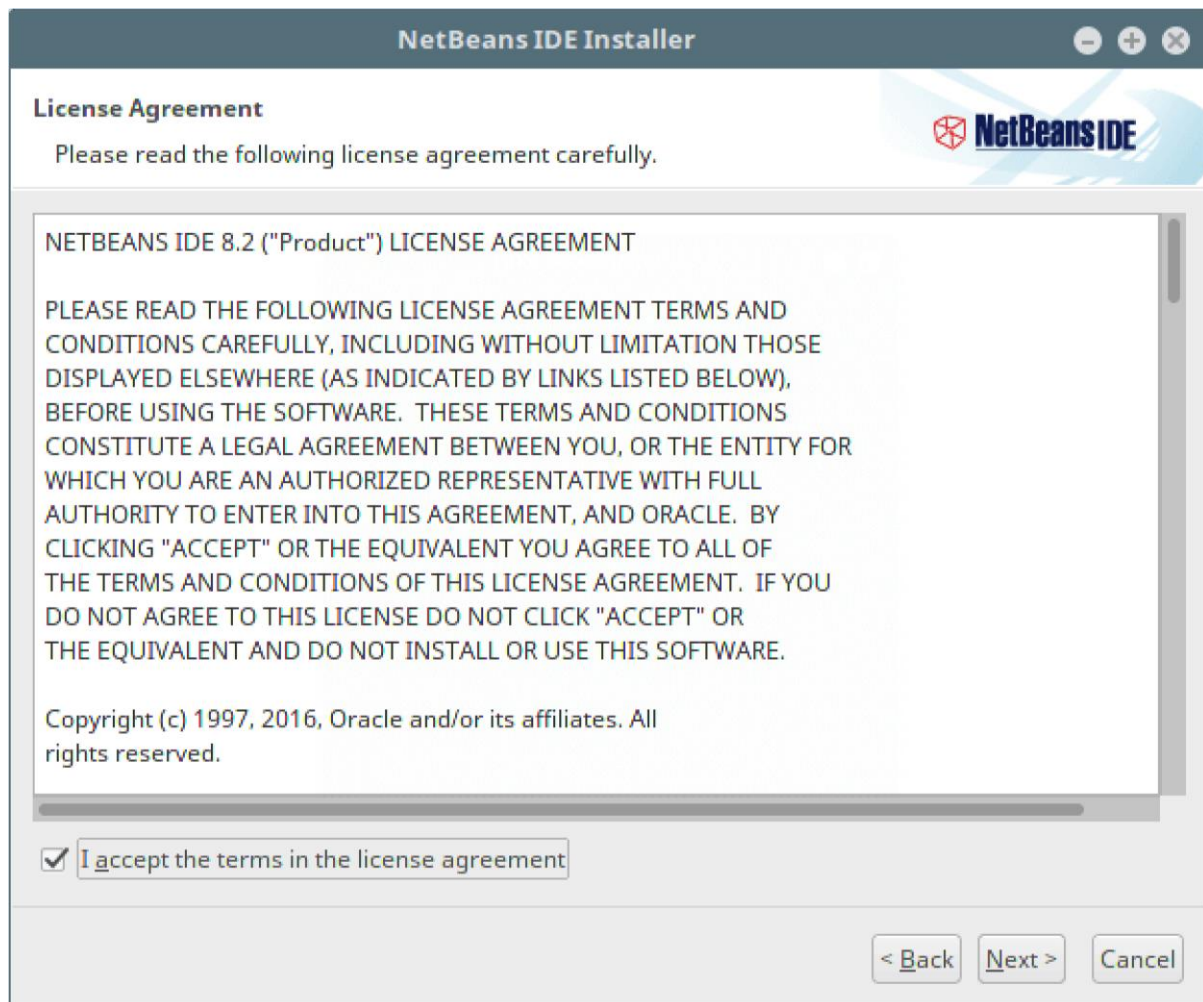
```
$ apt-cache search oracle-java8 $ sudo apt-get  
install oracle-java8installer
```

```
3.$ wget -c http://download.netbeans.org/netbeans/8.2/final/bundles/netbeans-8.2linux.sh
```

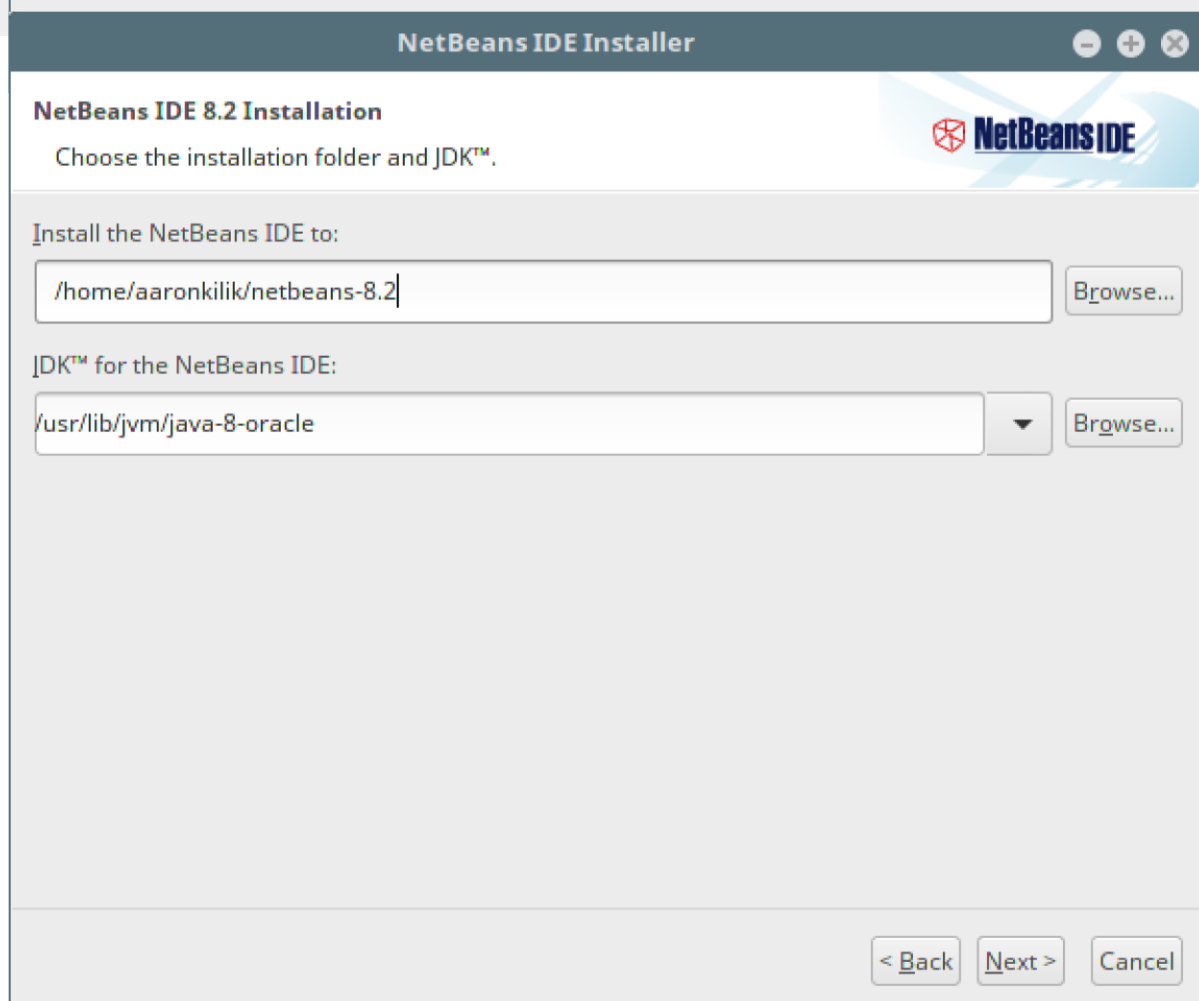
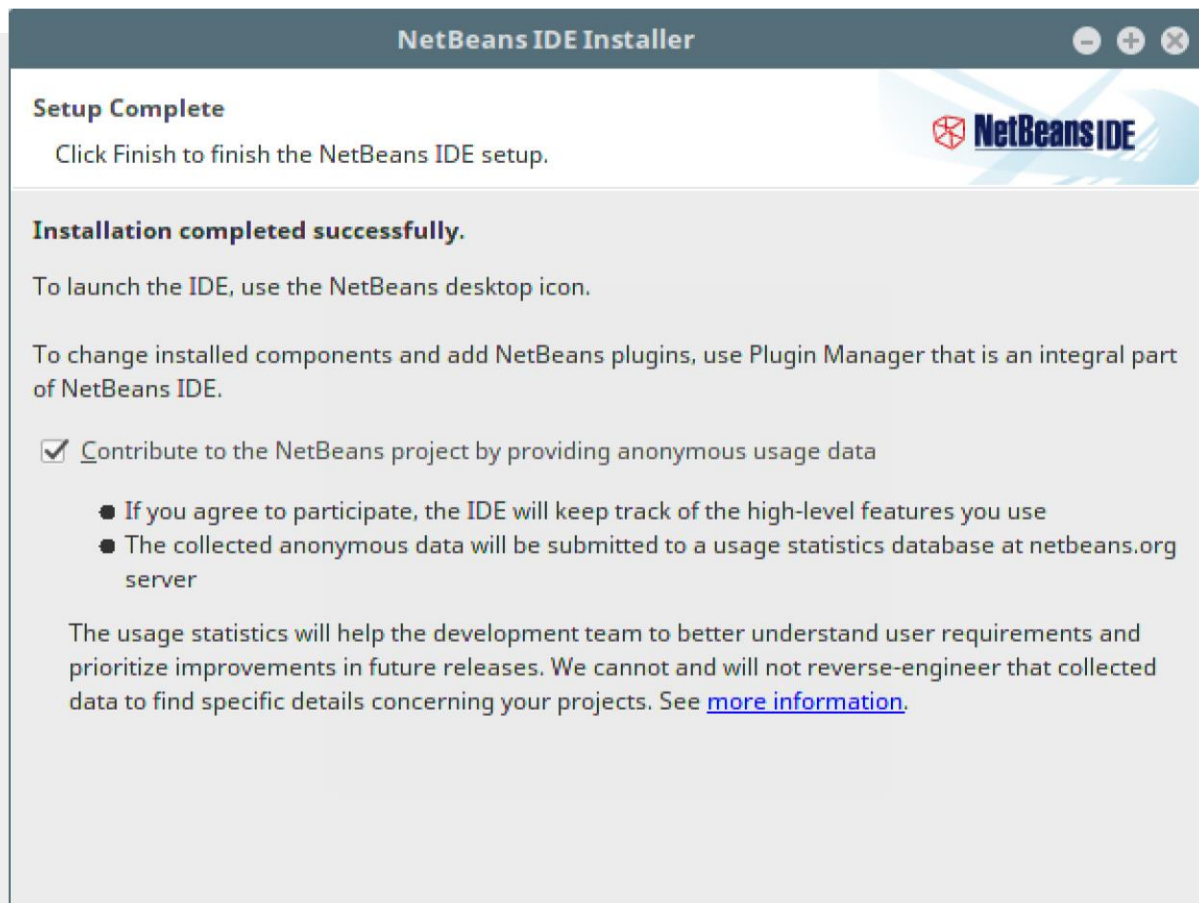
```
4.
```

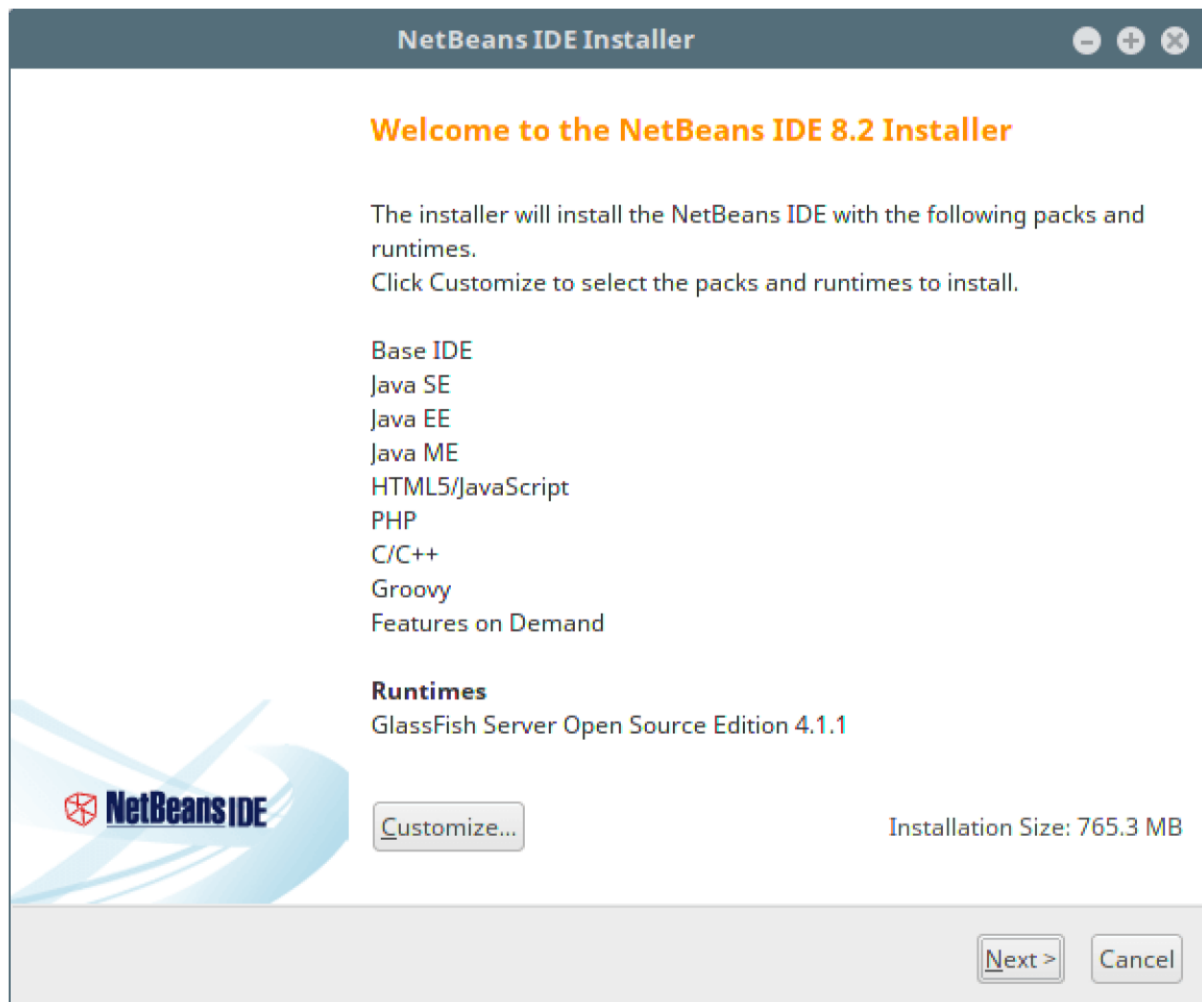
```
$ chmod +x netbeans-8.2-linux.sh
```

```
5.$ ./netbeans-8.2-linux.sh
```









## 4 . Exercises

