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**Batch: M5 32162**

**Problem Statement: Write a program to demonstrate the use of InetAddress class and its**

**factory methods.**

**Code:**

import java.net.InetAddress;

import java.net.UnknownHostException;

public class Exp\_9

{

public static void main(String[] args) throws UnknownHostException

{

InetAddress ip1 = InetAddress.*getLocalHost*();

System.***out***.println("1.Address of local host:=" + ip1);

InetAddress ip2 = InetAddress.*getByName*("www.pict.edu");

System.***out***.println("2.Address of string host:=" + ip2);

byte[] ipaddress = {10, 10, 13, 38};

InetAddress ip3 = InetAddress.*getByAddress*(ipaddress);

System.***out***.println("3.Host name for ip address:=" + ip3);

InetAddress[] ip4 = InetAddress.*getAllByName*("www.pict.edu");

for (InetAddress inetAddress : ip4)

{

System.***out***.println("4.address of url=" + inetAddress);

}

InetAddress ip5 = InetAddress.*getByAddress*("pict.edu", ipaddress);

System.***out***.println("5.Inetaddress of host with ip address and hostname=" + ip5);

System.***out***.println("6.Host name of inetaddress=" + ip2.getHostName());

System.***out***.println("7.Address of host hold by inetaddress object=" + ip2.getHostAddress());

System.***out***.println("8.Address equals or not=" + ip2.equals(ip1));

System.***out***.println("9.to sting convert="+ ip2);

System.***out***.println("10. it is multicast address or not="+ip2.isMulticastAddress());

System.***out***.println("This is InetAddress class use");

}

}