**3) Write a program in Java that has overloaded methods. The first methods should have no arguments. The second method should accept one string argument and the third method should accept one string and one integer argument. The first method should display “Delhi is an Important City” twice. The second method should display “Bombay is a beautiful city” thrice and third method should display “Chennai is a peaceful city” four times.**

**Program :-**

class Ovrload

{

String s1,s2;

int i,i1;

void show()

{

System.out.println("Delhi is an important city.");

}

void show (String s)

{

s1=s;

for(i=0;i<=2;i++)

{

System.out.println(s1);

}

}

void show(String s, int i)

{

s2=s;

i1=0;

while(i1<i)

{

System.out.println(s2);

i1++;

}

}

}

class Ovrload\_demo

{

public static void main(String args[])

{

Ovrload obj1=new Ovrload();

obj1.show();

obj1.show();

System.out.println("\n");

obj1.show("Bombay is a beautiful city");

System.out.println("\n");

obj1.show("Chennai is a peaceful city",4);

}

}

**Output :-**

Delhi is an important city.

Delhi is an important city.

Bombay is a beautiful city

Bombay is a beautiful city

Bombay is a beautiful city

Chennai is a peaceful city

Chennai is a peaceful city

Chennai is a peaceful city

Chennai is a peaceful city

Press any key to continue . . .