1. **Java 8 Concept:**

package com.lambda;

import java.util.ArrayList;

//Using Inner class

/\*

interface Square

{

void calculate(int x);

}

public class TestLambda

{

public static void main(String[] args)

{

Square s=new Square()

{

public void calculate(int x)

{

System.out.println(x\*x);

}

};

s.calculate(4);

}

}

\*/

//Using Lambda

/\*

interface Square

{

void calculate(int x);

}

public class TestLambda

{

public static void main(String[] args)

{

Square s=(int x)->

{

System.out.println(x\*x);

};

s.calculate(4);

}

}

\*/

//using inner claas with runnable

/\*

public class TestLambda

{

public static void main(String[] args)

{

Runnable r=new Runnable()

{

public void run()

{

System.out.println("Hello j30");

}

};

new Thread(r).start();

}

}

\*/

//Using Lambda

/\*

public class TestLambda

{

public static void main(String[] args)

{

Runnable r=()->

{

System.out.println("Hello j30");

};

new Thread(r).start();

}

}

\*/

//Using lambds in ArrayList

public class TestLambda

{

public static void main(String[] args)

{

ArrayList<Integer> list=new ArrayList<Integer>();

list.add(10);

list.add(20);

list.add(40);

list.add(30);

list.forEach((n)->

{

System.out.println(n);

});

}

}