

## Course outline How does an NPTEL online course work? Week 0 : Assignment 0 Week 1: Week 2: Week 3: Week 4: Week 5: Week 6: Week 7: Week 8: • Lecture 36 : Applet Programming--III • Lecture 37 : Demonstration-• Lecture 38 : Demonstration-• Lecture 39 : AWT Programming—I • Lecture 40 : AWT Programming-II Quiz: Assignment 8 Java Week 8: Q1 Java Week 8: Q2 Java Week 8: Q3 Java Week 8: Q4 lava Week 8: 05 Feedback For Week 8 Week 9: Week 10: Week 11: Week 12: Solution

DOWNLOAD VIDEOS

Programming Test - (April 11

Programming Test - (April 11

Text Transcripts

- 10AM - 12 PM)

- 8PM - 10 PM)

## Java Week 8: Q5

Due on 2020-11-12, 23:59 IST

Write a program to display any digit(n) from 0-9 represented as a "7 segment display".

For example:

input: 5

output:

input: 4

output:

Private Test cases used for evaluation

Test Case 1

Input	Expected Output	Actual Output	Status
3	\n _ \n	_ \n _ \n	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed

You scored 100.0/100.

## Assignment submitted on 2020-11-06, 00:30 IST

Your last recorded submission was

```
1 import java.util.*;
                  public class Pattern5 {
                                           private static final Map<Integer, Integer> encodings =
   new HashMap<Integer, Integer>();
                                                                   tic {
encodings.put(0, 0x7E);
encodings.put(1, 0x30);
encodings.put(2, 0x6D);
encodings.put(3, 0x79);
encodings.put(4, 0x33);
encodings.put(4, 0x5B);
encodings.put(5, 0x5E);
encodings.put(6, 0x5F);
encodings.put(7, 0x78);
encodings.put(8, 0x7F);
encodings.put(9, 0x7B);
public static void printDigit(int digit) {
  int code = encode(digit);
  char[] bits =
    String.format("%75", Integer.toBinaryString(code))
    .replace('', '0').toCharArray();
                                                                    lightSegment(bits[\theta] == '1', "\n", "\n"
                                           catch (InterruptedException e) {
    e.printStackTrace();
                                            }
                                           private static int encode(int digit) {
    return encodings.containsKey(digit) ? encodings.get(digit) # 0x00;
                                     }
public static void main(String[] args) throws Exception {
    Scanner inr = new Scanner(System.in);
    int n = inr.nextInt();
        printDigit(n);
```

Sample solutions (Provided by instructor)

```
import java.util.*;
public class Pattern5 {
   private static final Map<Integer, Integer> encodings =
        new HashMap<Integer, Integer>();
   static {
        encodings.put(0, 0x7E);
        encodings.put(1, 0x30);
        encodings.put(2, 0x6D);
        encodings.put(4, 0x33);
   encodings.put(4, 0x33);
}
10
```