

```
1 package chp6programs;
2 import java.util.Scanner;
3 /**
4  * @author 125jdelgado
5  * Made this 812 lines of code just to spite everyone that said I could do it in less
6  */
7 public class ProgEx01
8 {
9     static int zero=0;static int one=0;static int two=0;static int three=0;static int
10    four=0;static int five=0;static int six=0;
11    static int seven=0;static int eight=0;static int nine=0;static int ten=0;static int
12    eleven=0;static int twelve=0;
13    static int thirteen=0;static int fourteen=0;static int fifteen=0;static int
14    sixteen=0;static int seventeen=0;static int eighteen=0;
15    static int nineteen=0;static int twenty=0;static int twentyone=0;static int
16    twentytwo=0;static int twentythree=0;static int twentyfour=0;
17    static int twentyfive=0;static int twentysix=0;static int twentyseven=0;static int
18    twentyeight=0;static int twentynine=0;static int thirty=0;
19    static int thirtyone=0;static int thirtytwo=0;static int thirtythree=0;static int
20    thirtyfour=0;static int thirtyfive=0;static int thirtysix=0;static int thirtyseven=0;
21    static int thirtyeight=0;static int thirtynine=0;static int forty=0;static int
22    fortyone=0;static int fortytwo=0;static int fortythree=0;static int fortyfour=0;
23    static int fortyfive=0;static int fourtysix=0;static int fortyseven=0;static int
24    fortyeight=0;static int fourtynine=0;static int fifty=0;
25    public static void main(String[] args)
26    {
27        Scanner scan = new Scanner(System.in);
28        System.out.println("How many ints will you enter");
29        int maximum = scan.nextInt();
30        int[] array = new int[maximum];
31        int num;
32        for (int x = 0;x<array.length;x++)
33        {
34            System.out.println("Enter a number (From 0-50)");
35            num = scan.nextInt();
36            if(num>50||num<0)
37            {
38                System.out.println("Invalid number, try again!");
39            }
40            else
41            {
42                array[x]=num;
43            }
44        }
45        for(int f=0;f<array.length;f++)
46        {
47            if(array[f]==0)
48            {
49                zero+=1;
50            }
51            else if(array[f]==1)
52            {
53                one+=1;
54            }
55            else if(array[f]==2)
56            {
57                two+=1;
58            }
59        }
60    }
61 }
```

```
50     }
51     else if (array[f]==3)
52     {
53         three+=1;
54     }
55     else if (array[f]==4)
56     {
57         four+=1;
58     }
59     else if (array[f]==5)
60     {
61         five+=1;
62     }
63     else if (array[f]==6)
64     {
65         six+=1;
66     }
67     else if (array[f]==7)
68     {
69         seven+=1;
70     }
71     else if (array[f]==8)
72     {
73         eight+=1;
74     }
75     else if (array[f]==9)
76     {
77         nine+=1;
78     }
79     else if (array[f]==10)
80     {
81         ten+=1;
82     }
83     else if (array[f]==11)
84     {
85         eleven+=1;
86     }
87     else if (array[f]==12)
88     {
89         twelve+=1;
90     }
91     else if (array[f]==13)
92     {
93         thirteen+=1;
94     }
95     else if (array[f]==14)
96     {
97         fourteen+=1;
98     }
99     else if (array[f]==15)
100    {
101        fifteen+=1;
102    }
103    else if (array[f]==16)
104    {
105        sixteen+=1;
106    }
```

```
107         else if(array[f]==17)
108         {
109             seventeen++;
110         }
111         else if(array[f]==18)
112         {
113             eighteen++;
114         }
115         else if(array[f]==19)
116         {
117             nineteen++;
118         }
119         else if(array[f]==20)
120         {
121             twenty++;
122         }
123         else if(array[f]==21)
124         {
125             twentyone++;
126         }
127         else if(array[f]==22)
128         {
129             twentytwo++;
130         }
131         else if(array[f]==23)
132         {
133             twentythree++;
134         }
135         else if(array[f]==24)
136         {
137             twentyfour++;
138         }
139         else if(array[f]==25)
140         {
141             twentyfive++;
142         }
143         else if(array[f]==26)
144         {
145             twentysix++;
146         }
147         else if(array[f]==27)
148         {
149             twentyseven++;
150         }
151         else if(array[f]==28)
152         {
153             twentyeight++;
154         }
155         else if(array[f]==29)
156         {
157             twentynine++;
158         }
159         else if(array[f]==30)
160         {
161             thirty++;
162         }
163         else if(array[f]==31)
```

```
164         {
165             thirtyone+=1;
166         }
167         else if(array[f]==32)
168         {
169             thirtytwo+=1;
170         }
171         else if(array[f]==33)
172         {
173             thirtythree+=1;
174         }
175         else if(array[f]==34)
176         {
177             thirtyfour+=1;
178         }
179         else if(array[f]==35)
180         {
181             thirtyfive+=1;
182         }
183         else if(array[f]==36)
184         {
185             thirtysix+=1;
186         }
187         else if(array[f]==37)
188         {
189             thirtyseven+=1;
190         }
191         else if(array[f]==38)
192         {
193             thirtyeight+=1;
194         }
195         else if(array[f]==39)
196         {
197             thirtynine+=1;
198         }
199         else if(array[f]==40)
200         {
201             forty+=1;
202         }
203         else if(array[f]==41)
204         {
205             fortyone+=1;
206         }
207         else if(array[f]==42)
208         {
209             fortytwo+=1;
210         }
211         else if(array[f]==43)
212         {
213             fortythree+=1;
214         }
215         else if(array[f]==44)
216         {
217             fortyfour+=1;
218         }
219         else if(array[f]==45)
220         {
```

```

221         fortyfive+=1;
222     }
223     else if(array[f]==46)
224     {
225         fourtysix+=1;
226     }
227     else if(array[f]==47)
228     {
229         fortyseven+=1;
230     }
231     else if(array[f]==48)
232     {
233         fortyeight+=1;
234     }
235     else if(array[f]==49)
236     {
237         fourtynine+=1;
238     }
239     else if(array[f]==50)
240     {
241         fifty+=1;
242     }
243 }
244 System.out.print("You entered: ");
245 if (zero!=0)
246 {
247     System.out.print( + zero + " zeros";
248     if(one !=0 || two!=0 || three!=0 || four!=0 || five!=0 || six!=0 || seven!=0 ||
249     eight !=0 || nine!=0 || ten!=0 || eleven!=0 || twelve!=0 ||
250     thirteen!=0 || fourteen!=0 || fifteen!=0 || sixteen!=0 || seventeen!=0 || eighteen!
251     =0 || nineteen!=0 || twenty!=0 || twentyone!=0 ||
252     twentytwo!=0 || twentythree!=0 || twentyfour!=0 || twentyfive!=0 || twentysix!
253     =0 || twentyseven!=0 || twentyeight!=0 || twentynine!=0 ||
254     thirty!=0 || thirtyone!=0 || thirtytwo!=0 || thirtythree!=0 || thirtyfour!
255     =0 || thirtyfive!=0 || thirtysix!=0 || thirtyseven!=0 || thirtyeight!=0 ||
256     thirtynine!=0 || forty!=0 || fortyone!=0 || fortytwo!=0 || fortythree!
257     =0 || fortyfour!=0 || fortyfive!=0 || fourtysix!=0 || fortyseven!=0 ||
258     fortyeight!=0 || fourtynine!=0 || fifty!=0)
259     {
260         System.out.print(", ");
261     }
262 }
263 if (one!=0)
264 {
265     System.out.print( + one + " ones";
266     if(two!=0 || three!=0 || four!=0 || five!=0 || six!=0 || seven!=0 || eight !=0 ||
267     nine!=0 || ten!=0 || eleven!=0 || twelve!=0 ||
268     thirteen!=0 || fourteen!=0 || fifteen!=0 || sixteen!=0 || seventeen!=0 || eighteen!
269     =0 || nineteen!=0 || twenty!=0 || twentyone!=0 ||
270     twentytwo!=0 || twentythree!=0 || twentyfour!=0 || twentyfive!=0 || twentysix!
271     =0 || twentyseven!=0 || twentyeight!=0 || twentynine!=0 ||
272     thirty!=0 || thirtyone!=0 || thirtytwo!=0 || thirtythree!=0 || thirtyfour!
273     =0 || thirtyfive!=0 || thirtysix!=0 || thirtyseven!=0 || thirtyeight!=0 ||
274     thirtynine!=0 || forty!=0 || fortyone!=0 || fortytwo!=0 || fortythree!
275     =0 || fortyfour!=0 || fortyfive!=0 || fourtysix!=0 || fortyseven!=0 ||
276     fortyeight!=0 || fourtynine!=0 || fifty!=0)
277     {

```

```

268         System.out.print(", ");
269     }
270 }
271 if (two != 0)
272 {
273     System.out.print(" " + two + " twos");
274     if (three != 0 || four != 0 || five != 0 || six != 0 || seven != 0 || eight != 0 || nine != 0
        || ten != 0 || eleven != 0 || twelve != 0 ||
275         thirteen != 0 || fourteen != 0 || fifteen != 0 || sixteen != 0 || seventeen != 0 || eighteen !=
        0 || nineteen != 0 || twenty != 0 || twentyone != 0 ||
276         twentytwo != 0 || twentythree != 0 || twentyfour != 0 || twentyfive != 0 || twentysix !=
        0 || twentyseven != 0 || twentyeight != 0 || twentynine != 0 ||
277         thirty != 0 || thirtyone != 0 || thirtytwo != 0 || thirtythree != 0 || thirtyfour !=
        0 || thirtyfive != 0 || thirtysix != 0 || thirtyseven != 0 || thirtyeight != 0 ||
278         thirtynine != 0 || forty != 0 || fortyone != 0 || fortytwo != 0 || fortythree !=
        0 || fortyfour != 0 || fortyfive != 0 || fourtysix != 0 || fortyseven != 0 ||
279         fourtyeight != 0 || fourtynine != 0 || fifty != 0)
280     {
281         System.out.print(", ");
282     }
283 }
284 if (three != 0)
285 {
286     System.out.print(" " + three + " threes");
287     if (four != 0 || five != 0 || six != 0 || seven != 0 || eight != 0 || nine != 0 || ten !=
        0 || eleven != 0 || twelve != 0 ||
288         thirteen != 0 || fourteen != 0 || fifteen != 0 || sixteen != 0 || seventeen != 0 || eighteen !=
        0 || nineteen != 0 || twenty != 0 || twentyone != 0 ||
289         twentytwo != 0 || twentythree != 0 || twentyfour != 0 || twentyfive != 0 || twentysix !=
        0 || twentyseven != 0 || twentyeight != 0 || twentynine != 0 ||
290         thirty != 0 || thirtyone != 0 || thirtytwo != 0 || thirtythree != 0 || thirtyfour !=
        0 || thirtyfive != 0 || thirtysix != 0 || thirtyseven != 0 || thirtyeight != 0 ||
291         thirtynine != 0 || forty != 0 || fortyone != 0 || fortytwo != 0 || fortythree !=
        0 || fortyfour != 0 || fortyfive != 0 || fourtysix != 0 || fortyseven != 0 ||
292         fourtyeight != 0 || fourtynine != 0 || fifty != 0)
293     {
294         System.out.print(", ");
295     }
296 }
297 if (four != 0)
298 {
299     System.out.print(" " + four + " fours");
300     if (five != 0 || six != 0 || seven != 0 || eight != 0 || nine != 0 || ten != 0 || eleven !=
        0 || twelve != 0 ||
301         thirteen != 0 || fourteen != 0 || fifteen != 0 || sixteen != 0 || seventeen != 0 || eighteen !=
        0 || nineteen != 0 || twenty != 0 || twentyone != 0 ||
302         twentytwo != 0 || twentythree != 0 || twentyfour != 0 || twentyfive != 0 || twentysix !=
        0 || twentyseven != 0 || twentyeight != 0 || twentynine != 0 ||
303         thirty != 0 || thirtyone != 0 || thirtytwo != 0 || thirtythree != 0 || thirtyfour !=
        0 || thirtyfive != 0 || thirtysix != 0 || thirtyseven != 0 || thirtyeight != 0 ||
304         thirtynine != 0 || forty != 0 || fortyone != 0 || fortytwo != 0 || fortythree !=
        0 || fortyfour != 0 || fortyfive != 0 || fourtysix != 0 || fortyseven != 0 ||
305         fourtyeight != 0 || fourtynine != 0 || fifty != 0)
306     {
307         System.out.print(", ");
308     }
309 }

```

```

310         if(five!=0)
311         {
312             System.out.print( + five + " fives");
313             if( six!=0 || seven!=0 || eight !=0 || nine!=0 || ten!=0 |eleven!=0|twelve!=0|
314                 thirteen!=0 || fourteen!=0|fifteen!=0|sixteen!=0|seventeen!
=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
315                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
316                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
317                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
318                 fourtyeight!=0|fourty-nine!=0|fifty!=0
319             {
320                 System.out.print(", ");
321             }
322         }
323         if(six!=0)
324         {
325             System.out.print( + six + " sixes");
326             if( seven!=0 || eight !=0 || nine!=0 || ten!=0 |eleven!=0|twelve!=0|
327                 thirteen!=0 || fourteen!=0|fifteen!=0|sixteen!=0|seventeen!
=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
328                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
329                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
330                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
331                 fourtyeight!=0|fourty-nine!=0|fifty!=0
332             {
333                 System.out.print(", ");
334             }
335         }
336         if(seven!=0)
337         {
338             System.out.print( + seven + " sevens");
339             if( eight !=0 || nine!=0 || ten!=0 |eleven!=0|twelve!=0|
340                 thirteen!=0 || fourteen!=0|fifteen!=0|sixteen!=0|seventeen!
=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
341                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
342                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
343                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
344                 fourtyeight!=0|fourty-nine!=0|fifty!=0
345             {
346                 System.out.print(", ");
347             }
348         }
349         if(eight!=0)
350         {
351             System.out.print( + eight + " eights");
352             if( nine!=0 || ten!=0 |eleven!=0|twelve!=0|
353                 thirteen!=0 || fourteen!=0|fifteen!=0|sixteen!=0|seventeen!
=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|

```

```

354         twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!
=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
355         thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
=0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
356         thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
=0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
357         fortyeight!=0 | fourtynine!=0 | fifty!=0)
358     {
359         System.out.print(", ");
360     }
361 }
362 if(nine!=0)
363 {
364     System.out.print( + nine + " nines");
365     if( ten!=0 | eleven!=0 | twelve!=0 |
366         thirteen!=0 | fourteen!=0 | fifteen!=0 | sixteen!=0 | seventeen!
=0 | eighteen!=0 | nineteen!=0 | twenty!=0 | twentyone!=0 |
367         twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!
=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
368         thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
=0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
369         thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
=0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
370         fortyeight!=0 | fourtynine!=0 | fifty!=0)
371     {
372         System.out.print(", ");
373     }
374 }
375 if(ten!=0)
376 {
377     System.out.print( + ten + " tens");
378     if(eleven!=0 | twelve!=0 |
379         thirteen!=0 | fourteen!=0 | fifteen!=0 | sixteen!=0 | seventeen!
=0 | eighteen!=0 | nineteen!=0 | twenty!=0 | twentyone!=0 |
380         twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!
=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
381         thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
=0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
382         thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
=0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
383         fortyeight!=0 | fourtynine!=0 | fifty!=0)
384     {
385         System.out.print(", ");
386     }
387 }
388 if(eleven!=0)
389 {
390     System.out.print( + eleven + " elevens");
391     if(twelve!=0 |
392         thirteen!=0 | fourteen!=0 | fifteen!=0 | sixteen!=0 | seventeen!
=0 | eighteen!=0 | nineteen!=0 | twenty!=0 | twentyone!=0 |
393         twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!
=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
394         thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
=0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
395         thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
=0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |

```



```

396         fourtyeight!=0 | fourtynine!=0 | fifty!=0
397     {
398         System.out.print (", ");
399     }
400
401     if (twelve!=0)
402     {
403         System.out.print( + twelve + " twelves");
404         if(
405             thirteen!=0 | fourteen!=0 | fifteen!=0 | sixteen!=0 | seventeen!=
406             =0 | eighteen!=0 | nineteen!=0 | twenty!=0 | twentyone!=0 |
407             twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!=
408             =0 | twentyseven!=0 | twentyeight!=0 | twentynine!=0 |
409             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!=
410             =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
411             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!=
412             =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
413             fourtyeight!=0 | fourtynine!=0 | fifty!=0
414         )
415         {
416             System.out.print (", ");
417         }
418     }
419     if (thirteen!=0)
420     {
421         System.out.print( + thirteen + " thirteens");
422         if ( fourteen!=0 | fifteen!=0 | sixteen!=0 | seventeen!=0 | eighteen!=0 | nineteen!=
423             =0 | twenty!=0 | twentyone!=0 |
424             twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!=
425             =0 | twentyseven!=0 | twentyeight!=0 | twentynine!=0 |
426             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!=
427             =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
428             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!=
429             =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
430             fourtyeight!=0 | fourtynine!=0 | fifty!=0
431         )
432         {
433             System.out.print (", ");
434         }
435     }
436     if (fourteen!=0)
437     {
438         System.out.print( + fourteen + " fourteens");
439         if (fifteen!=0 | sixteen!=0 | seventeen!=0 | eighteen!=0 | nineteen!=0 | twenty!=
440             =0 | twentyone!=0 |
441             twentytwo!=0 | twentythree!=0 | twentyfour!=0 | twentyfive!=0 | twentysix!=
442             =0 | twentyseven!=0 | twentyeight!=0 | twentynine!=0 |
443             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!=
444             =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
445             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!=
446             =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
447             fourtyeight!=0 | fourtynine!=0 | fifty!=0
448         )
449         {
450             System.out.print (", ");
451         }
452     }
453     if (fifteen!=0)
454     {
455         System.out.print( + fifteen + " fifteens");
456     }

```

```

441         if(sixteen!=0|seventeen!=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
442             twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0|twentynine!=0|
443             thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
444             thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
445             fourtyeight!=0|fourtynine!=0|fifty!=0)
446         {
447             System.out.print(", ");
448         }
449     }
450     if(sixteen!=0)
451     {
452         System.out.print( + sixteen + " sixteens");
453         if(seventeen!=0|eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
454             twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0|twentynine!=0|
455             thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
456             thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
457             fourtyeight!=0|fourtynine!=0|fifty!=0)
458         {
459             System.out.print(", ");
460         }
461     }
462     if(seventeen!=0)
463     {
464         System.out.print( + seventeen + " seventeens");
465         if(eighteen!=0|nineteen!=0|twenty!=0|twentyone!=0|
466             twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0|twentynine!=0|
467             thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
468             thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
469             fourtyeight!=0|fourtynine!=0|fifty!=0)
470         {
471             System.out.print(", ");
472         }
473     }
474     if(eighteen!=0)
475     {
476         System.out.print( + eighteen + " eighTEENS");
477         if(nineteen!=0|twenty!=0|twentyone!=0|
478             twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0|twentynine!=0|
479             thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
480             thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
481             fourtyeight!=0|fourtynine!=0|fifty!=0)
482         {
483             System.out.print(", ");
484         }
485     }

```

```

486         if(nineteen!=0)
487         {
488             System.out.print( + nineteen + " nineteens");
489             if(twenty!=0|twentyone!=0|
490                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
491                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
492                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
493                 fourtyeight!=0|fourtynine!=0|fifty!=0)
494             {
495                 System.out.print(", ");
496             }
497         }
498         if(twenty!=0)
499         {
500             System.out.print( + twenty + " twenties");
501             if(twentyone!=0|
502                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
503                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
504                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
505                 fourtyeight!=0|fourtynine!=0|fifty!=0)
506             {
507                 System.out.print(", ");
508             }
509         }
510         if(twentyone!=0)
511         {
512             System.out.print( + twentyone + " twentyones");
513             if(
514                 twentytwo!=0|twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!
=0|twentyseven!=0|twentyeight!=0| twenty-nine!=0|
515                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
516                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
517                 fourtyeight!=0|fourtynine!=0|fifty!=0)
518             {
519                 System.out.print(", ");
520             }
521         }
522         if(twentytwo!=0)
523         {
524             System.out.print( + twentytwo + " twentytwos");
525             if(twentythree!=0|twentyfour!=0|twentyfive!=0|twentysix!=0|twentyseven!
=0|twentyeight!=0| twenty-nine!=0|
526                 thirty!=0|thirtyone!=0|thirtytwo!=0|thirtythree!=0|thirtyfour!
=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
527                 thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
528                 fourtyeight!=0|fourtynine!=0|fifty!=0)
529             {
530                 System.out.print(", ");

```

```

531     }
532 }
533     if (twentythree!=0)
534     {
535         System.out.print( + twentythree + " twentythrees");
536         if (twentyfour!=0 | twentyfive!=0 | twentysix!=0 | twentyseven!=0 | twentyeight!=0 |
    twenty-nine!=0 |
537             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
    =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
538             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
    =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
539             fourtyeight!=0 | fourtynine!=0 | fifty!=0)
540         {
541             System.out.print (" , ");
542         }
543     }
544     if (twentyfour!=0)
545     {
546         System.out.print( + twentyfour + " twentyfours");
547         if (twentyfive!=0 | twentysix!=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
    twenty-nine!=0 |
548             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
    =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
549             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
    =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
550             fourtyeight!=0 | fourtynine!=0 | fifty!=0)
551         {
552             System.out.print (" , ");
553         }
554     }
555     if (twentyfive!=0)
556     {
557         System.out.print( + twentyfive + " twentyfives");
558         if (twentysix!=0 | twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
    twenty-nine!=0 |
559             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
    =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
560             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
    =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
561             fourtyeight!=0 | fourtynine!=0 | fifty!=0)
562         {
563             System.out.print (" , ");
564         }
565     }
566     if (twentysix!=0)
567     {
568         System.out.print( + twentysix + " twentysixes");
569         if (twentyseven!=0 | twentyeight!=0 | twenty-nine!=0 |
    twenty-nine!=0 |
570             thirty!=0 | thirtyone!=0 | thirtytwo!=0 | thirtythree!=0 | thirtyfour!
    =0 | thirtyfive!=0 | thirtysix!=0 | thirtyseven!=0 | thirtyeight!=0 |
571             thirtynine!=0 | forty!=0 | fortyone!=0 | fortytwo!=0 | fortythree!
    =0 | fortyfour!=0 | fortyfive!=0 | fourtysix!=0 | fortyseven!=0 |
572             fourtyeight!=0 | fourtynine!=0 | fifty!=0)
573         {
574             System.out.print (" , ");
575         }
576     }
577     if (twentyseven!=0)
578     {

```

```

579         System.out.print( + twentyseven + " twentysevens");
580         if(twentyeight!=0| twentynine!=0|
581             thirty!=0| thirtyone!=0| thirtytwo!=0| thirtythree!=0| thirtyfour!
=0| thirtyfive!=0| thirtysix!=0| thirtyseven!=0| thirtyeight!=0|
582             thirtynine!=0| forty!=0| fortyone!=0| fortytwo!=0| fortythree!
=0| fortyfour!=0| fortyfive!=0| fourtysix!=0| fortyseven!=0|
583             fortyeight!=0| fourtynine!=0| fifty!=0)
584         {
585             System.out.print(", ");
586         }
587     }
588     if(twentyeight!=0)
589     {
590         System.out.print( + twentyeight + " twentyeights");
591         if( twentynine!=0|
592             thirty!=0| thirtyone!=0| thirtytwo!=0| thirtythree!=0| thirtyfour!
=0| thirtyfive!=0| thirtysix!=0| thirtyseven!=0| thirtyeight!=0|
593             thirtynine!=0| forty!=0| fortyone!=0| fortytwo!=0| fortythree!
=0| fortyfour!=0| fortyfive!=0| fourtysix!=0| fortyseven!=0|
594             fortyeight!=0| fourtynine!=0| fifty!=0)
595         {
596             System.out.print(", ");
597         }
598     }
599     if(twentynine!=0)
600     {
601         System.out.print( + twentynine + " twentynines");
602         if(
603             thirty!=0| thirtyone!=0| thirtytwo!=0| thirtythree!=0| thirtyfour!
=0| thirtyfive!=0| thirtysix!=0| thirtyseven!=0| thirtyeight!=0|
604             thirtynine!=0| forty!=0| fortyone!=0| fortytwo!=0| fortythree!
=0| fortyfour!=0| fortyfive!=0| fourtysix!=0| fortyseven!=0|
605             fortyeight!=0| fourtynine!=0| fifty!=0)
606         {
607             System.out.print(", ");
608         }
609     }
610     if(thirty!=0)
611     {
612         System.out.print( + thirty + " thirtys");
613         if(thirtyone!=0| thirtytwo!=0| thirtythree!=0| thirtyfour!=0| thirtyfive!
=0| thirtysix!=0| thirtyseven!=0| thirtyeight!=0|
614             thirtynine!=0| forty!=0| fortyone!=0| fortytwo!=0| fortythree!
=0| fortyfour!=0| fortyfive!=0| fourtysix!=0| fortyseven!=0|
615             fortyeight!=0| fourtynine!=0| fifty!=0)
616         {
617             System.out.print(", ");
618         }
619     }
620     if(thirtyone!=0)
621     {
622         System.out.print( + thirtyone + " thirtyones");
623         if(thirtytwo!=0| thirtythree!=0| thirtyfour!=0| thirtyfive!=0| thirtysix!
=0| thirtyseven!=0| thirtyeight!=0|
624             thirtynine!=0| forty!=0| fortyone!=0| fortytwo!=0| fortythree!
=0| fortyfour!=0| fortyfive!=0| fourtysix!=0| fortyseven!=0|
625             fortyeight!=0| fourtynine!=0| fifty!=0)

```

```

626         {
627             System.out.print(", ");
628         }
629     }
630     if(thirtytwo!=0)
631     {
632         System.out.print( + thirtytwo + " thirtytwos");
633         if(thirtythree!=0|thirtyfour!=0|thirtyfive!=0|thirtysix!=0|thirtyseven!
=0|thirtyeight!=0|
634             thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
635             fourtyeight!=0|fourtynine!=0|fifty!=0)
636         {
637             System.out.print(", ");
638         }
639     }
640     if(thirtythree!=0)
641     {
642         System.out.print( + thirtythree + " thirtythrees");
643         if(thirtyfour!=0|thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
644             =0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
fourtyeight!=0|fourtynine!=0|fifty!=0)
645         {
646             System.out.print(", ");
647         }
648     }
649 }
650 if(thirtyfour!=0)
651 {
652     System.out.print( + thirtyfour + " thirtyfours");
653     if(thirtyfive!=0|thirtysix!=0|thirtyseven!=0|thirtyeight!=0|
thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
654     =0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
fourtyeight!=0|fourtynine!=0|fifty!=0)
655     {
656         System.out.print(", ");
657     }
658 }
659 if(thirtyfive!=0)
660 {
661     System.out.print( + thirtyfive + " thirtyfives");
662     if(thirtyseven!=0|thirtyeight!=0|
thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
663     =0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
fourtyeight!=0|fourtynine!=0|fifty!=0)
664     {
665         System.out.print(", ");
666     }
667 }
668 }
669 if(thirtysix!=0)
670 {
671     System.out.print( + thirtysix + " thirtysixes");
672     if(thirtyseven!=0|thirtyeight!=0|
thirtynine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
673     =0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
fourtyeight!=0|fourtynine!=0|fifty!=0)
674     {
675         System.out.print(", ");
676     }
677 }

```

```
677         System.out.print(", ");
678     }
679 }
680 if(thirtyseven!=0)
681 {
682     System.out.print( + thirtyseven + " thirtysevens");
683     if(thirtyeight!=0|
684         thirty-nine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
685         fourtyeight!=0|fourtynine!=0|fifty!=0)
686     {
687         System.out.print(", ");
688     }
689 }
690 if(thirtyeight!=0)
691 {
692     System.out.print( + thirtyeight + " thirtyeights");
693     if( thirty-nine!=0|fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!
=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
694         fourtyeight!=0|fourtynine!=0|fifty!=0)
695     {
696         System.out.print(", ");
697     }
698 }
699 if(thirtynine!=0)
700 {
701     System.out.print( + thirtynine + " thirtynines");
702     if(fourty!=0|fourtyone!=0|fourtytwo!=0|fourtythree!=0|fourtyfour!
=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
703         fourtyeight!=0|fourtynine!=0|fifty!=0)
704     {
705         System.out.print(", ");
706     }
707 }
708 if(fourty!=0)
709 {
710     System.out.print( + fourty + " fourtys");
711     if(fourtyone!=0|fourtytwo!=0|fourtythree!=0|fourtyfour!=0|fourtyfive!
=0|fourtysix!=0|fourtyseven!=0|
712         fourtyeight!=0|fourtynine!=0|fifty!=0)
713     {
714         System.out.print(", ");
715     }
716 }
717 if(fourtyone!=0)
718 {
719     System.out.print( + fourtyone + " fortyones");
720     if(fourtytwo!=0|fourtythree!=0|fourtyfour!=0|fourtyfive!=0|fourtysix!
=0|fourtyseven!=0|
721         fourtyeight!=0|fourtynine!=0|fifty!=0)
722     {
723         System.out.print(", ");
724     }
725 }
726 if(fourtytwo!=0)
727 {
728     System.out.print( + fourtytwo + " fortytwos");
```

```
729         if(fourtythree!=0|fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
730             fourtyeight!=0|fourtynine!=0|fifty!=0)
731         {
732             System.out.print(", ");
733         }
734     }
735     if(fourtythree!=0)
736     {
737         System.out.print( + fourtythree + " fortythrees");
738         if(fourtyfour!=0|fourtyfive!=0|fourtysix!=0|fourtyseven!=0|
739             fourtyeight!=0|fourtynine!=0|fifty!=0)
740         {
741             System.out.print(", ");
742         }
743     }
744     if(fourtyfour!=0)
745     {
746         System.out.print( + fourtyfour + " fortyfours");
747         if(fourtyfive!=0|fourtysix!=0|fourtyseven!=0|fourtyeight!=0|fourtynine
748             =0|fifty!=0)
749         {
750             System.out.print(", ");
751         }
752     }
753     if(fourtyfive!=0)
754     {
755         System.out.print( + fourtyfive + " fortyfives");
756         if(fourtysix!=0|fourtyseven!=0|fourtyeight!=0|fourtynine!=0|fifty!=0)
757         {
758             System.out.print(", ");
759         }
760     }
761     if(fourtysix!=0)
762     {
763         System.out.print( + fourtysix + " fourtysixes");
764         if(fourtyseven!=0|fourtyeight!=0|fourtynine!=0|fifty!=0)
765         {
766             System.out.print(", ");
767         }
768     }
769     if(fourtyseven!=0)
770     {
771         System.out.print( + fourtyseven + " fortysevens");
772         if(fourtyeight!=0|fourtynine!=0|fifty!=0)
773         {
774             System.out.print(", ");
775         }
776     }
777     if(fourtyeight!=0)
778     {
779         System.out.print( + fourtyeight + " fortyeights");
780         if(fourtynine!=0|fifty!=0)
781         {
782             System.out.print(", ");
783         }
784     }
785     if(fourtynine!=0)
```



```
785     {
786         System.out.print( + fourtynine + " fortynines");
787         if(fifty!=0)
788         {
789             System.out.print (" ");
790         }
791     }
792     if (fifty!=0)
793     {
794         System.out.print( + fifty + " fiftys");
795     }
796 }
797 }
798 /*
799 How many ints will you enter
800 5
801 Enter a number (From 0-50)
802 1
803 Enter a number (From 0-50)
804 1
805 Enter a number (From 0-50)
806 1
807 Enter a number (From 0-50)
808 3
809 Enter a number (From 0-50)
810 5
811 You entered: 3 ones, 1 threes, 1 fives
812 */
```