Before you start, please get into Word and create a document containing your name. Save it on my flash drive.

This Friday, March 2, is the birthday of Theodore Geisel, also known as Doctor Seuss.

To celebrate Doctor Seuss's birthday, please write a program where you **input a number between 1 and 45**, to denote how many days will have passed since Dr. Seuss's birthday (see the table on the right). Your program should tell you what the date is. For example, if you type in 10, your listbox should say:
The date is March 12.
If you type in 32, your listbox should say:
The date is April 3.

Save your program on my flash drive as **Seuss** and save a copy for yourself. When you are finished, bring the flash drive up front, put it in my hand and you can leave.

I meant what I said and I said what I meant.
An elephant's faithful 100 percent.

Horton Hears a Who

Please do the following:

- Be sure to remember my flash drive number.
- Be sure to put your name as a comment at the start of your program.
- **There will be no conversation during the exam. Unless you are having flash drive problems, I cannot answer any questions once we get started.**
- **You may not use your cellphone in any way**.
- Copy the program onto your own flash drive.
- You may use your notes and/or book for reference.
- When you are done, put the flash drive in my hand and you can leave.

1	March 3
2	March 4
3	March 5
4	March 6
5	March 7
6	March 8
7	March 9
8	March 10
9	March 11
10	March 12
11	March 13
12	March 14
13	March 15
14	March 16
15	March 17
16	March 18
17	March 19
18	March 20
19	March 21
20	March 22
21	March 23
22	March 24
23	March 25
24	March 26
25	March 27
26	March 28
27	March 29
28	March 30
29	March 31
30	April 1
31	April 2
32	April 3
33	April 4
34	April 5
35	April 6
36	April 7
37	April 8
38	April 9
39	April 10
40	April 11
41	April 12
42	April 13
43	April 14
44	April 15
45	April 16

In 1988, a group of wealthy sports fans decided to start a new professional basketball league specifically designed for shorter players. **The rules stated that all players must 6 feet 4 inches or shorter.** The concept was not a success and the league soon folded without ever having played a game.

Your assignment today is to write a program with two input statements, one for a player's height in feet and one for his height in inches. Then, you must decide if a player would have been eligible for the League. For a given height, you should say either:

You can play in the league
Or
You cannot play in the league.

You must use IF statements to determine whether or not a player was eligible. You may use any method that gives correct answers.

Here is some sample data and what your list box should say:

Feet	Inches	Results
5	7	**You can play in the league**
6	2	**You can play in the league**
6	7	**You cannot play in the league.**
6	4	**You can play in the league.**
7	2	**You cannot play in the league.**

Please do the following:

- Save your program as **Basketball** on my flash drive. Be sure to remember my flash drive number.
- Be sure to put your name as a comment at the start of your program.
- Create a Word Document containing your name and save it on my flash drive.
- **There will be no conversation during the exam. Unless you are having flash drive problems, I cannot answer any questions once we get started.**
- **You may not use your cellphone in any way**.
- Copy the Python program onto your own flash drive.
- You may use your notes and/or book for reference.

Before you start, please get into Word and create a document containing your name. Save it on my flash drive.

Little Bobby wants to buy his own shiny new Radio Flyer Wagon (pictured above). The wagon costs $95. He has been saving for several months and he wants to know how much more money he needs.

Bobby's piggy bank holds $10, $5 and $1 bills (no coins or larger bills). Your job is to determine if he has enough money or how much more he needs.

Last month, Bobby had 4 $10 bills, 3 $5 bills and 14 $1 bills. That adds up to $69 so you must tell Bobby that he is $26 short.

Today, Bobby has 6 $10 bills, 9 $5 bills and 17 $1 bills. That adds up to $122. Your pleasant job is to tell Bobby that he has enough money to buy the wagon.

Your job today is to write a program with three inputs - $1 bills, $5 bills and $10 bills. Your results should tell Bobby either how much more he needs or that he has enough money to buy the little red wagon.

Here is some sample data for you:

Singles	Fives	Tens	List Box Should Say
4	3	6	You have $79. You need $16 more.
2	11	3	You have $87. You need $8 more.
4	0	9	You have $94. You need $1 more.
5	8	9	You have enough money to buy the wagon.

It may be easier to have two Print statements in your program. For example:

```
You have $79.
You need $16 more.
```

Save your work on <u>my flash drive</u> under the name RADIOFLYER. When you are finished, bring the flash drive up front, put it in my hand and you can leave.