Problem: Guessing birthday

You can find out your friend's birthday by asking 5 questions. You program should provide 5 different sets of numbers. Then your program should ask the user if her /his birthday appears in any of the given sets. Five different sets has been provided below.

For example if your friend's birthday is on the 19th, then the value 19th is in the set 1, set 3 and set 5. Your friend's birthday will be the sum of the first number that appears in the sets 1, 3, and 5.

Therefore your friend's birthday is 1 + 2+ 16 = 19

A Java file has been provided for you. For each method a description has been provided. You need to fill in the code for each method.

Here are the sets of the numbers that you must use in your program:

Set 1 = {**1**, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31}

Set 2= {**2**, 3, 6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31}

Set 3 = {**4**, 5, 6, 7, 12, 13, 14, 15, 20, 21, 22, 23, 28, 29, 30, 31}

Set 4 = {**8**, 9, 10, 11, 12, 13, 14, 15, 24, 25, 26, 27, 28, 29, 30, 31}

Set 5 = {**16**, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31}

Sample output:

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*****************************************

Welcome to Birthday Guessing website by your name

You will be prompted to answer five questions

Then computer will guess your birthday

*****************************************

How many times do you to use this software? 3
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What is your name? Mary

Hi Mary answer the following questions so I can guess your
birthday.


Is your birthday in this set?


  1   3   5   7
  9  11  13  15
 17  19  21  23
 25  27  29  31
Enter yes or no answers: yes


Is your birthday in this set?


  2   3   6   7
 10  11  14  15
 18  19  22  23
 26  27  30  31
Enter yes or no answers: no


Is your birthday in this set?


  4   5   6   7
 12  13  14  15
 20  21  22  23
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28 29 30 31

Enter yes or no answers: yes


Is your birthday in this set?


 8  9 10 11

12 13 14 15

24 25 26 27

28 29 30 31

Enter yes or no answers: no


Is your birthday in this set?


16 17 18 19

20 21 22 23

24 25 26 27

28 29 30 31

Enter yes or no answers: yes

Your birthday is on the : 21

Did I guess it right? yes/no : yes

Yessss I guessed it right!!!!!


Hit enter to play again


What is your name? Alex
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Hi Alex answer the following questions so I can guess your
birthday.

Is your birthday in this set?

 1 3 5 7

 9 11 13 15

17 19 21 23

25 27 29 31

Enter yes or no answers: yes

Is your birthday in this set?

 2 3 6 7

10 11 14 15

18 19 22 23

26 27 30 31

Enter yes or no answers: no

Is your birthday in this set?

 4 5 6 7

12 13 14 15

20 21 22 23

28 29 30 31

```
Enter yes or no answers: no


Is your birthday in this set?


 8  9 10 11

12 13 14 15

24 25 26 27

28 29 30 31

Enter yes or no answers: yes


Is your birthday in this set?


16 17 18 19

20 21 22 23

24 25 26 27

28 29 30 31

Enter yes or no answers: no

Your birthday is on the : 9

Did I guess it right? yes/no : no

You must have entered wrong answers. Try gaian


Hit enter to play again


What is your name? Alex

Hi Alex answer the following questions so I can guess your
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birthday.

Is your birthday in this set?

 1 3 5 7

 9 11 13 15

17 19 21 23

25 27 29 31

Enter yes or no answers: yes

Is your birthday in this set?

 2 3 6 7

10 11 14 15

18 19 22 23

26 27 30 31

Enter yes or no answers: yes

Is your birthday in this set?

 4 5 6 7

12 13 14 15

20 21 22 23

28 29 30 31

Enter yes or no answers: no

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Is your birthday in this set?


 8  9 10 11

12 13 14 15

24 25 26 27

28 29 30 31

Enter yes or no answers: yes


Is your birthday in this set?


16 17 18 19

20 21 22 23

24 25 26 27

28 29 30 31

Enter yes or no answers: no

Your birthday is on the : 11

Did I guess it right? yes/no : yes

Yessss I guessed it right !!!!!

Good Bye


 ----jGRASP: operation complete.
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