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Question 2

Incomplete answer

Marked out of 7.00

Given the enum declaration, answer the following questions:

```

1  enum ____ (i) ____ {
2      JANUARY(31), FEBRUARY(28), MARCH(31), APRIL(30), MAY(31),
3      JUNE(30), JULY(31), AUGUST(31), SEPTEMBER(30), OCTOBER(31),
4      NOVEMBER(30), DECEMBER(31);
5
6      private ____ (ii) ____;
7      private Month (int days) {
8          numDays = days;
9      }
10
11     public int getNumDays() {
12         return numDays;
13     }
14 }

```

IMPORTANT: Please write a Java statement WITHOUT ANY WHITE SPACE unless it is absolutely necessary.

Example: *float x=a+b;*

a) Complete the enum declaration above by filling in the blanks with an appropriate statement.

(i)

Month

(ii)

numDays

Write a statement that declares a variable of enumerated data type, named thisMonth and initialize it with the APRIL constant.

Month thisMonth = Month.APRIL;

Based on the output given in Figure 1 and by using the variable declared in (b),

```

APRIL is the 4th month. It has 30 days a month.
Sem 1, 2021/2022 will start in OCTOBER (6 more months).

```

Figure 1

complete the following program segment by filling in the blanks with an appropriate statement (by invoking an appropriate method).

```

1      :
2      :
3      System.out.println(thisMonth + " is the " + ( ____ (i) ____ +
4      1) + "th month. It has " + ____ (ii) ____ + " days a month.");
5      System.out.println("Sem 1, 2021/2022 will start in " +
6      Month.OCTOBER + " (" + ____ (iii) ____ + " more months).");
7  }
8  }

```

(i)

thisMonth.ordinal()

(ii)

thisMonth.getNumDays()

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