1. What gets printed by the following code fragment?

```java
int num1 = 3; int num2 = 17;

if (num1 + num2 < 8)
    {
        System.out.println ("green");
        System.out.println ("white");
    }
else
    System.out.println ("red");
if (num1 >= num2)
    System.out.println ("beige");
else
    if ((num1 + 10) >= num2)
        {
            System.out.println ("yellow");
            System.out.println ("blue");
        }
    else
        System.out.print ("black");
System.out.println("green");
```

Output: red blackgreen
import java.util.Scanner;
public class Vacation
{
    public static void main(String[] args)
    {
        Scanner in = new Scanner(System.in);

        System.out.print("Please enter your age: ");
        int age = in.nextInt();

        String destination = "x";

        // The code below assigns "A", "B" or "C" into the
        // variable destination depending on whether the value
        // of age is less than 20, between 20 and 50, or over
        // 50, respectively.
        // The code does NOT use the && operator!

        if (age < 20)
            destination = "A";
        else
            if (age > 50)
                destination = "C";
            else
                destination = "B";

        System.out.println("Your vacation destination is: "+ destination);
    }
}
1. What gets printed by the following code fragment?

```java
int num1 = 4; int num2 = 3;
if (num1 + num2 < 9)
{
    System.out.println("black");
    System.out.println("green");
}
else
    System.out.println("white");
if (num1 >= num2)
    System.out.println("beige");
else
    if ((num1 + 10) >= num2)
    {
        System.out.println("red");
        System.out.println("blue");
    }else
    System.out.println("yellow");
System.out.println("green");
```

Output

```
black
green
beige
green
```
import java.util.Scanner;
public class Vacation
{
    public static void main(String[] args)
    {
        Scanner in = new Scanner(System.in);
        System.out.print("Please enter your age: ");
        int age = in.nextInt();
        String destination = "x";

        // The code below assigns "A", "B" or "C" into the
        // variable destination depending on whether the value
        // of age is less than 20, between 20 and 50, or over
        // 50, respectively.
        // The code uses if statements but does NOT use else!

        if (age < 20)
            destination = "A";

        if (age >= 20 && age <= 50)
            destination = "B";

        if (age > 50)
            destination = "C";

        System.out.println("Your vacation destination is: "+
            destination);
    }
}

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