**package** Question16;

**import** java.util.Arrays;

**public** **class** NextGreater {

**static** **void** swap(**char** ar[], **int** i, **int** j)

{

**char** temp = ar[i];

ar[i] = ar[j];

ar[j] = temp;

}

**static** **void** findNext(**char** ar[], **int** n)

{

**int** i;

**for** (i = n - 1; i > 0; i--)

{

**if** (ar[i] > ar[i - 1]) {

**break**;

}

}

**if** (i == 0)

{

System.***out***.println("Not possible");

}

**else**

{

**int** x = ar[i - 1], min = i;

**for** (**int** j = i + 1; j < n; j++)

{

**if** (ar[j] > x && ar[j] < ar[min])

{

min = j;

}

}

*swap*(ar, i - 1, min);

Arrays.*sort*(ar, i, n);

System.***out***.print("Next number with same" +

" set of digits is ");

**for** (i = 0; i < n; i++)

System.***out***.print(ar[i]);

}

}

**public** **static** **void** main(String[] args)

{

**char** digits[] = { '5','3','4','9','7','6' };

**int** n = digits.length;

*findNext*(digits, n);

}

}