

1. ให้เขียนโปรแกรมรับ อายุ จากผู้ใช้ เพื่อแสดงระดับชั้นตามกลุ่มอายุ ดังนี้

- 4-6 Kindergarten
- 7-12 Elementary education
- 13-18 High school
- 19-22 University
- นอกเหนือจากนั้นให้แสดงว่า Unknown

RESULT\_EX 1:

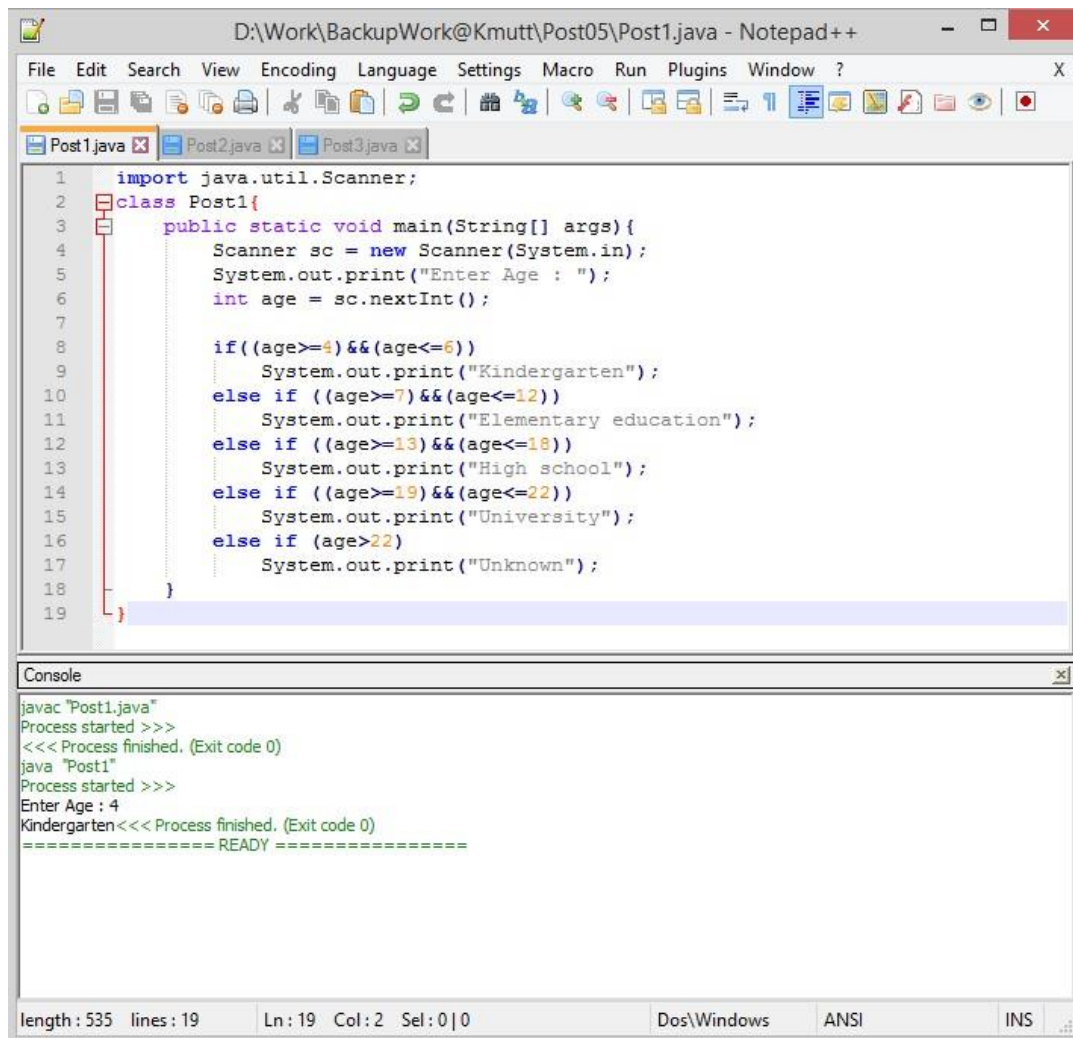
Enter age : 12

ประถม

RESULT\_EX 2:

Enter age : 50

Unknown



The screenshot shows a Notepad++ window titled "D:\Work\BackupWork@Kmutt\Post05\Post1.java - Notepad++". The window contains a Java program named "Post1.java" with the following code:

```
1 import java.util.Scanner;
2 class Post1{
3     public static void main(String[] args){
4         Scanner sc = new Scanner(System.in);
5         System.out.print("Enter Age : ");
6         int age = sc.nextInt();
7
8         if((age>=4)&&(age<=6))
9             System.out.print("Kindergarten");
10        else if ((age>=7)&&(age<=12))
11            System.out.print("Elementary education");
12        else if ((age>=13)&&(age<=18))
13            System.out.print("High school");
14        else if ((age>=19)&&(age<=22))
15            System.out.print("University");
16        else if (age>22)
17            System.out.print("Unknown");
18    }
19 }
```

Below the code editor is a console window showing the execution of the program:

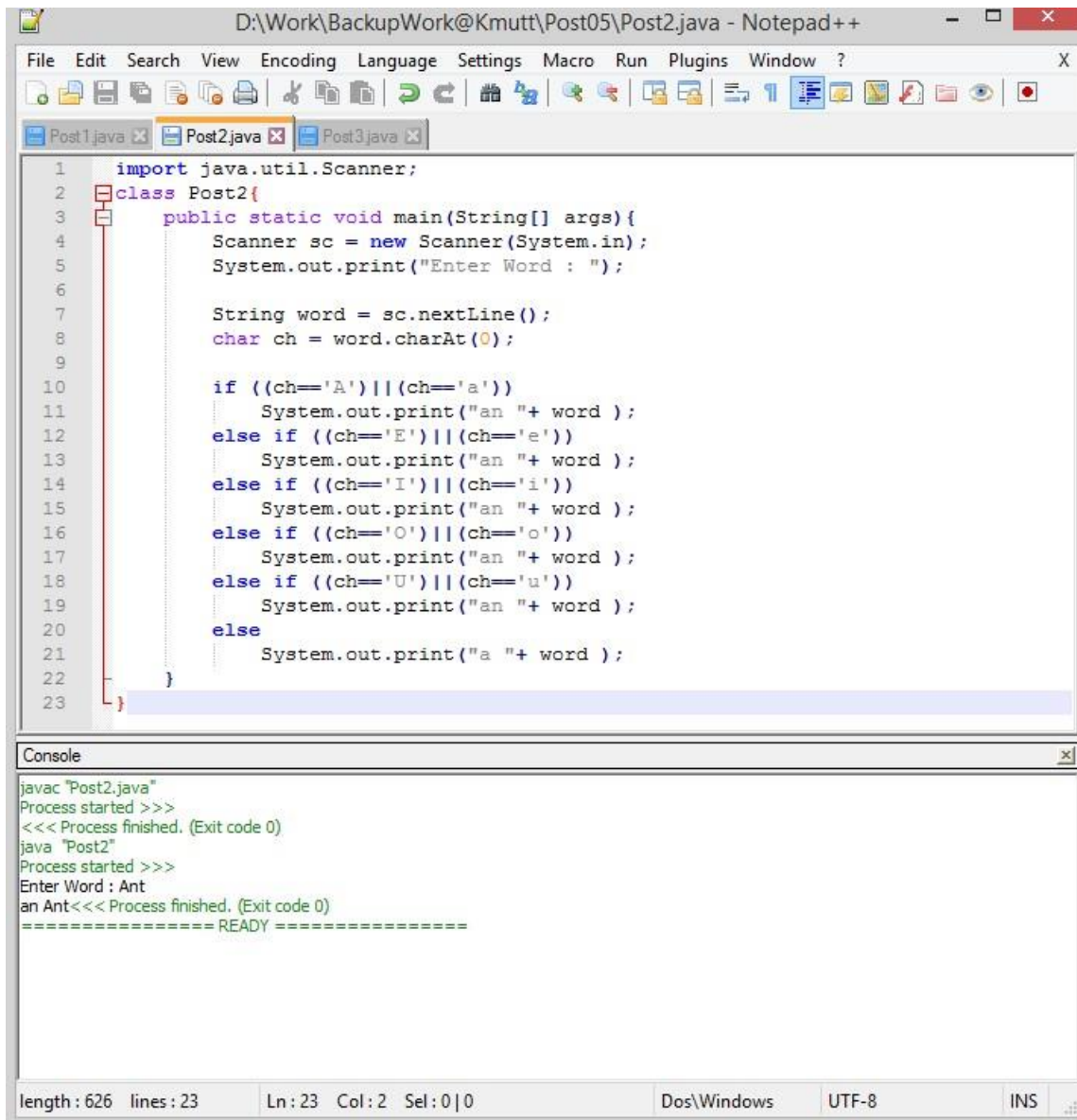
```
javac "Post1.java"
Process started >>>
<<< Process finished. (Exit code 0)
java "Post1"
Process started >>>
Enter Age : 4
Kindergarten<<< Process finished. (Exit code 0)
===== READY =====
```

The status bar at the bottom of the window indicates: length : 535 lines : 19 Ln : 19 Col : 2 Sel : 0 | 0 Dos\Windows ANSI INS

2. หนูนิด อยากได้โปรแกรมที่เดิม Article A, An หน้าคำต่าง ๆ ที่ใส่เข้าไปในโปรแกรม **ไม่สนตัวอักษรใหญ่เล็ก**

RESULT\_EX 1:

Enter Word : Ant   
an Ant



The screenshot shows a Notepad++ window titled "D:\Work\BackupWork@Kmutt\Post05\Post2.java - Notepad++". The window contains a Java program named "Post2.java". The code imports "java.util.Scanner" and defines a class "Post2" with a "main" method. The "main" method prompts the user to "Enter Word : " and reads the input. It then checks the first character of the word against a list of vowels (A, E, I, O, U) in both uppercase and lowercase. If a match is found, it prints "an " followed by the word; otherwise, it prints "a " followed by the word. The console window at the bottom shows the compilation and execution of the program. The output indicates that the word "Ant" was entered, and the program correctly identified it as starting with a vowel, printing "an Ant".

```
1  import java.util.Scanner;
2  class Post2{
3      public static void main(String[] args){
4          Scanner sc = new Scanner(System.in);
5          System.out.print("Enter Word : ");
6
7          String word = sc.nextLine();
8          char ch = word.charAt(0);
9
10         if ((ch=='A')||(ch=='a'))
11             System.out.print("an "+ word );
12         else if ((ch=='E')||(ch=='e'))
13             System.out.print("an "+ word );
14         else if ((ch=='I')||(ch=='i'))
15             System.out.print("an "+ word );
16         else if ((ch=='O')||(ch=='o'))
17             System.out.print("an "+ word );
18         else if ((ch=='U')||(ch=='u'))
19             System.out.print("an "+ word );
20         else
21             System.out.print("a "+ word );
22     }
23 }
```

Console

```
javac "Post2.java"
Process started >>>
<<< Process finished. (Exit code 0)
java "Post2"
Process started >>>
Enter Word : Ant
an Ant<<< Process finished. (Exit code 0)
===== READY =====
```

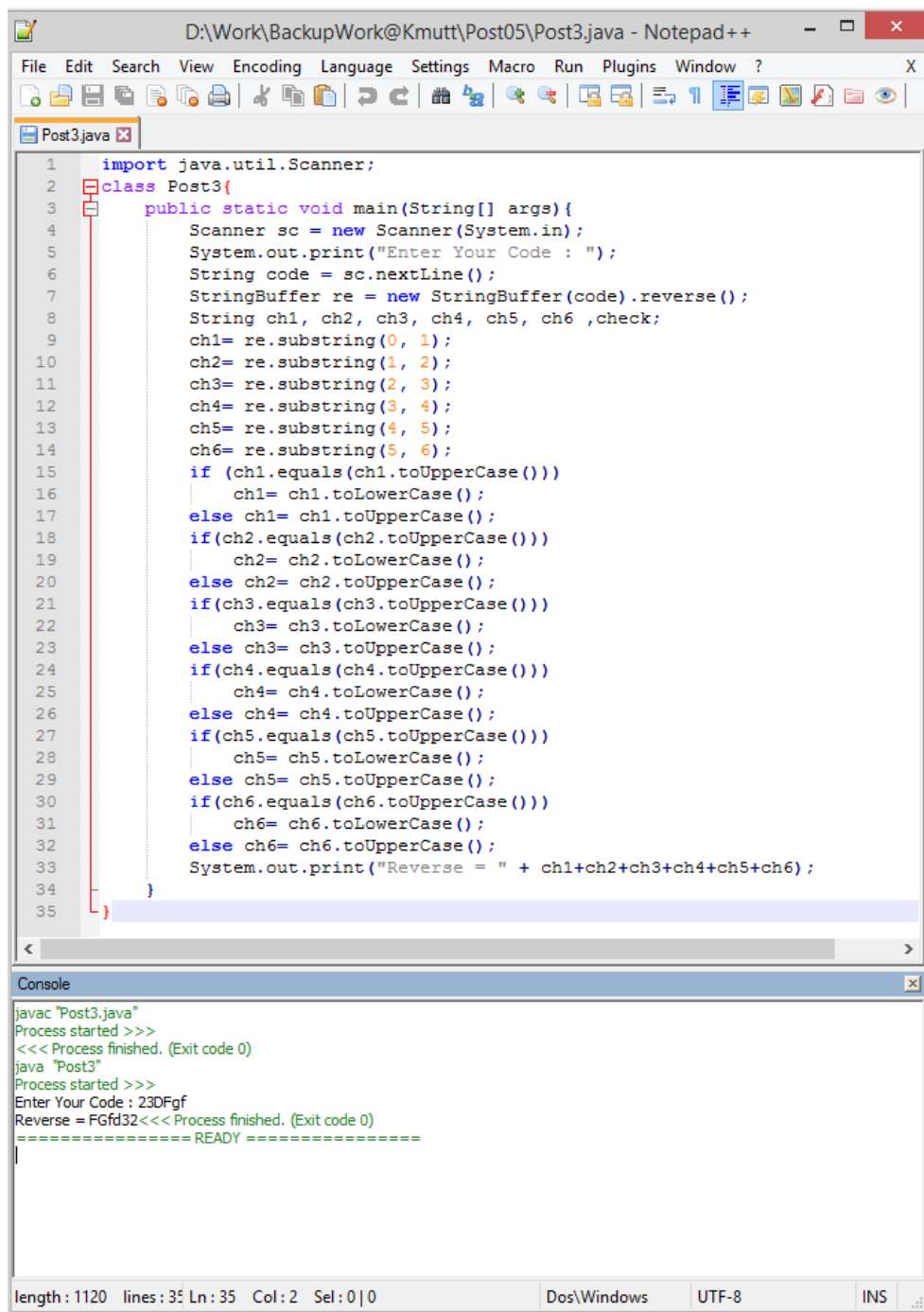
length : 626 lines : 23 Ln : 23 Col : 2 Sel : 0 | 0 Dos\Windows UTF-8 INS

3. โคนนท์ ต้องการสร้างรหัสสลับกลับด้าน โดย รหัสมีความยาว 6 ตัวเท่านั้น เป็นได้ทั้งเลขและตัวอักษรโดยทำการรับรหัส แล้วทำการแปลงรหัสกลับด้าน **โดยถ้าพบว่ารหัสที่ใส่เข้ามามีตัวอักษรตัวใหญ่ให้แปลงเป็นตัวเล็ก แต่ถ้าเป็นตัวเล็กให้แปลงเป็นตัวใหญ่**

RESULT\_EX 1:

Enter : 23DFgf 

Reverse "FGfd32"



The screenshot shows a Notepad++ window with a Java file named Post3.java. The code imports java.util.Scanner, defines a class Post3, and contains a main method. The main method prompts the user to enter a code, reads it, reverses it using StringBuffer, and then processes each character of the reversed string. For each character, it checks if it's uppercase and converts it to lowercase, or if it's lowercase and converts it to uppercase. Finally, it prints the reversed and transformed string. The console window below shows the execution: it runs javac, then java, prompts for input (23DFgf), and outputs the reversed and transformed string (FGfd32).

```
1 import java.util.Scanner;
2 class Post3{
3     public static void main(String[] args){
4         Scanner sc = new Scanner(System.in);
5         System.out.print("Enter Your Code : ");
6         String code = sc.nextLine();
7         StringBuffer re = new StringBuffer(code).reverse();
8         String ch1, ch2, ch3, ch4, ch5, ch6 ,check;
9         ch1= re.substring(0, 1);
10        ch2= re.substring(1, 2);
11        ch3= re.substring(2, 3);
12        ch4= re.substring(3, 4);
13        ch5= re.substring(4, 5);
14        ch6= re.substring(5, 6);
15        if (ch1.equals(ch1.toUpperCase()))
16            ch1= ch1.toLowerCase();
17        else ch1= ch1.toUpperCase();
18        if(ch2.equals(ch2.toUpperCase()))
19            ch2= ch2.toLowerCase();
20        else ch2= ch2.toUpperCase();
21        if(ch3.equals(ch3.toUpperCase()))
22            ch3= ch3.toLowerCase();
23        else ch3= ch3.toUpperCase();
24        if(ch4.equals(ch4.toUpperCase()))
25            ch4= ch4.toLowerCase();
26        else ch4= ch4.toUpperCase();
27        if(ch5.equals(ch5.toUpperCase()))
28            ch5= ch5.toLowerCase();
29        else ch5= ch5.toUpperCase();
30        if(ch6.equals(ch6.toUpperCase()))
31            ch6= ch6.toLowerCase();
32        else ch6= ch6.toUpperCase();
33        System.out.print("Reverse = " + ch1+ch2+ch3+ch4+ch5+ch6);
34    }
35 }
```

Console

```
javac "Post3.java"
Process started >>>
<<< Process finished. (Exit code 0)
java "Post3"
Process started >>>
Enter Your Code : 23DFgf
Reverse = FGfd32<<< Process finished. (Exit code 0)
===== READY =====
```

length : 1120 lines : 35 Ln : 35 Col : 2 Sel : 0 | 0 Dos\Windows UTF-8 INS