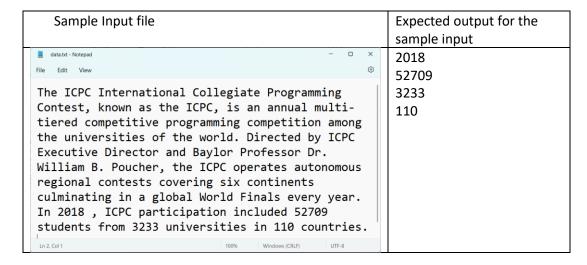
CT5: CSE 203 - Object-Oriented Programming I: Java

Time: 20 min Mark: 20

Name: ID: Sec:

1. Assume the file "data.txt" contains both letters and numbers. Write a java program which will read one word at a time and only print the numbers. [15]



Hints: Integer.parseInt(data) will throw an exception if the data (which is a String type) doesn't hold an integer.

Integer.parseInt("90") → will return 90 as integer.

Integer.parseInt("Hello") → will throw NumberFormatException

2. What are the errors in the code below? Fix the errors.

```
MyThread.java 🔣
       package ct5;
                                                                                      package ct5;
     public class MyThread implements Runnable{
                                                                                    public class TestThread (
public static void ma:
                                                                                          public static void main(String[] a) {
 5
           @Override
                                                                                              Thread t1 = new MyThread();
           public void run() {
                                                                                              Thread t2 = new MyThread();
               for(int i=0; i<100; i++)
                                                                                              t1.start();
                                                                                              t2.start();
                    System.out.println(Thread.currentThread().getName()
                                                                                      }
                                                                                10
                                                                                11
      }
```

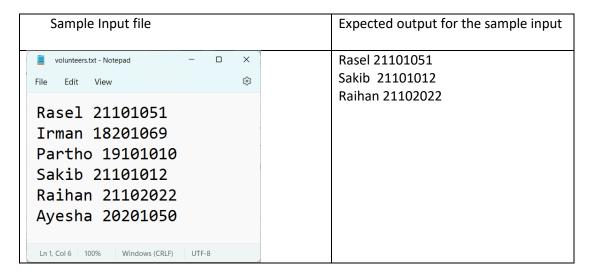
[5]

CT5: CSE 203 - Object-Oriented Programming I: Java

 Time: 20 min
 Mark: 20

 Name:
 ID:
 Sec:

1. Assume the file "volunteers.txt" contains the info about the ICPC volunteer "name id" as show in the sample file below. Write a java program which will read the file and only print information about the volunteers of your batch. [15]



2. Carefully Observe the code below. How many threads are parallelly running? Explain your answer. [5]

```
☑ MyThread.java 
☒

 1 package ct5.other;
                                                         1 package ct5.other;
 3 public class TestThread {
                                                         3 public class MyThread extends Thread{
        public static void main(String[] a) {
   Thread t1 = new MyThread();
   t1.setName("First Thread");
 4⊜
                                                                @Override
                                                               public void run() {
            Thread t2 = new MyThread();
                                                                   for(int i=0; i<10; i++)
 8
            t2.setName("2nd Thread");
                                                                     System.out.println(Thread.currentThread().getName()
            t1.run();
                                                                                  +":"+i);
            t2.run();
                                                                }
                                                       11 }
12 }
```