Dan Jandel C. De Ramos
BSCpE 2-1
Made with LaTeX
GitHub repo link: https://github.com/Joatmon-21/De-Ramos-CMPE201

Activity 1 (Same as Sample)
Source Code:

```java
/*
 * Written by: Dan Jandel C. De Ramos
 * Polytechnic University of the Philippines Biñan
 * Bachelor of Science in Computer Engineering 2-1
 */

public class Activity_1_SAS{
    public static void main(String[]args){

        //The data stored here are for the sake of examples only and are not 100% accurate
        String name = "Juan S. Dela Cruz";
        char gender = 'm';
        boolean maritalStatus = true;
        byte numberOfChildren = 8;
        short birthYear = 1945;
        int salary = 88000;
        long netAsset = 8234567890L;
        double weight = 88.88;
        float gpa = 3.88f;

        System.out.println("Name is : " + name);
        System.out.println("Gender is : " + gender);
        System.out.println("Is married is : " + maritalStatus);
        System.out.println("Number of Children is : " + numberOfChildren);
        System.out.println("Year of birth is : " + birthYear);
        System.out.println("Salary is : " + salary);
        System.out.println("Net Asset is : " + netAsset);
        System.out.println("Weight is : " + weight);
        System.out.println("GPA is : " + gpa);
    }
}
```

Output:

```
PS C:\Users\508un>  & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.8.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\508un\App
Data\Local\Temp\vscodesws_89496\jdt_ws\jdt.ls-java-project\bin' 'Activity_1_SAS'
Name is : Juan S. Dela Cruz
Gender is : m
Is married is : true
Number of Children is : 8
Year of birth is : 1945
Salary is : 88000
Net Asset is : 8234567890
Weight is : 88.88
GPA is : 3.88
PS C:\Users\508un>
```

Activity 1
Source Code:

```java
/*
* Written by: Dan Jandel C. De Ramos
* Polytechnic University of the Philippines Biñan
* Bachelor of Science in Computer Engineering 2-1
*/

public class Activity_1{
    public static void main(String[]args){

        //The data stored here are for the sake of examples only and are not 100% accurate
        String name_1 = "Dan Jandel C. De Ramos";
        char gender = 'M';
        char pesoSign = '\u20B1';
        boolean maritalStatus = false;
        byte numberOfChildren = 0;
        short birthYear = 2003;
        int salary = 65536;
        long netAsset = 89414685416L;
        double weight = 69.42;
        float gpa = 1.88f;

        System.out.println();

        System.out.println(" \u2022 Activity # 1 \u2022 \n");
        System.out.println("Name: " + name_1);
        System.out.println("Gender: " + gender);
        System.out.println("Married: " + maritalStatus);
        System.out.println("Number of Children: " + numberOfChildren);
        System.out.println("Year of birth: " + birthYear);
        System.out.println("Salary: " + pesoSign + " " + salary);
        System.out.println("Net Asset: " + pesoSign + " " + netAsset);
        System.out.println("Weight: " + weight + "kg");
        System.out.println("GPA: " + gpa);

        System.out.println();
    }
}
```

Output:

```
PS C:\Users\508un>  & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.8.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\508un\App
Data\Local\Temp\vscodesws_f50e0\jdt_ws\jdt.ls-java-project\bin' 'Activity_1'

 • Activity # 1 •

Name: Dan Jandel C. De Ramos
Gender: M
Married: false
Number of Children: 0
Year of birth: 2003
Salary: ₱ 65536
Net Asset: ₱ 89414685416
Weight: 69.42kg
GPA: 1.88

PS C:\Users\508un>
```

Activity 2 using next()
Source Code:

```java
/*
 * Written by: Dan Jandel C. De Ramos
 * Polytechnic University of the Philippines Biñan
 * Bachelor of Science in Computer Engineering 2-1
 */

import java.util.Scanner;

public class Activity_2_n{
     public static void main(String[]args){

          Scanner favoriteFruitScanner = new Scanner(System.in);
          String favoriteFruit;

          Scanner favoriteColorScanner = new Scanner(System.in);
          String favoriteColor;

          System.out.println();

          System.out.println("\u2022 Activity 2 using next() \u2022");

          System.out.println();

          System.out.println("What is your favorite fruit?");
          favoriteFruit = favoriteFruitScanner.next();

          System.out.println();

          System.out.println("What is your favorite color?");
          favoriteColor = favoriteColorScanner.next();

          favoriteFruitScanner.close();
          favoriteColorScanner.close();

          System.out.println();

          System.out.println("I wonder what a " + favoriteColor +
          " " + favoriteFruit + " would taste like");

          System.out.println();

     }
}
```

Output:

```
PS C:\Users\508un>  & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.8.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\508un\App
Data\Local\Temp\vscodesws_aa66d\jdt_ws\jdt.ls-java-project\bin' 'Activity_2_n'
• Activity 2 using next() •

What is your favorite fruit?
Pineapple

What is your favorite color?
Red

I wonder what a Red Pineapple would taste like

PS C:\Users\508un>
```

Activity 2 using nextLine()
Source Code:

```java
/*
 * Written by: Dan Jandel C. De Ramos
 * Polytechnic University of the Philippines Biñan
 * Bachelor of Science in Computer Engineering 2-1
 */

import java.util.Scanner;
import java.util.InputMismatchException;

public class Activity_2{
    public static void main(String[]args){

        Scanner input = new Scanner(System.in);

        String name;
        String location;
        short age = 0;

        System.out.println();

        System.out.println("\u2022 Activity # 2 \u2022 \n");
        System.out.println("What is your name? ");
        name = input.nextLine();
        System.out.println("\nWhat is your age in years? ");
        while(age==0){
            try {
            age = input.nextShort();
            } catch (java.util.InputMismatchException e) {
                System.out.print("\n!!! You have entered an invalid value.");
                System.out.println("Please use whole numbers only !!!");
                System.out.println("What is your age in years?");
                input.next();
            }
        }

        input.nextLine();
        System.out.println("\nWhere do you live?");
        location = input.nextLine();
        input.close();
        System.out.println("\nYour name is " + name);
        System.out.println("You are " + age + " years old");
        System.out.println("You live in " + location);

        System.out.println();
    }
}
```

Output:

PS C:\Users\508un> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.8.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\508un\App
Data\Local\Temp\vscodesws_f50e0\jdt_ws\jdt.ls-java-project\bin' 'Activity_2'

• Activity # 2 •

What is your name?
Dan Jandel C. De Ramos

What is your age in years?
Twenty

!!! You have entered an invalid value. Please use whole numbers only !!!
What is your age in years?
20

Where do you live?
20 Cataquiz Avenue Cataquiz 3 City of San Pedro Laguna

Your name is Dan Jandel C. De Ramos
You are 20 years old
You live in 20 Cataquiz Avenue Cataquiz 3 City of San Pedro Laguna

PS C:\Users\508un> █