**Mini Programing Projects Pseudocode**

1. Name, Age and Annual Income:
2. Program that writes out a name, age, and annual income.
3. Public class
4. Set variables
5. String name = Joe Mahoney
6. Int age = 26;
7. Double annualPay = 1000000;
8. Public static void main
9. In the main, bring out variables
10. print out statement:
11. My name is Joe Mahoney, my age is 26 and I hope to earn $1000000 per year.
12. End of program.

2. Star Pattern:

1. Public class
2. Public static void main
3. In the main, set simple print statements, “System.out. println(“”);”
4. Build star pattern with “\*”
5. End of program

3. Sales Prediction:

1. Public class
2. In class, set up variables
3. Set up the first variable as int which means is for integer numbers

I. private static int totalAnnualSales = 4600000;

1. Set up second variable as double which means if you want to print out decimal numbers

I. private static double percentSales = 0.62;

1. Public static void main
2. Bring out variables
3. In main, print out statement
4. “The estimated total annual sales is: $” + totalAnnualSales\*percentSales”
5. End of program

4. Miles per Gallon:

1. Import the scanner class
2. public class MilesPerGallon
3. Public static void main
4. In main, bring out scanner
5. Create a Scanner object

Scanner myObj = new scanner(System.in);

1. Set prompts user for miles driven
2. System.out. println(“Input number of miles driven”);
3. Set a double that read users last line and set is to the object
4. double milesDriven = myObj.nextDouble();
5. Print out statement for gallons used
6. System.out. println(“Here is your current miles per gallon: ” + (milesDriven/gallonsUsed));
7. End of program

5. String Manipulator:

1. import Scanner class
2. Public class StringManipulator
3. public static void main
4. In main, bring out scanner
5. Create a Scanner object

Scanner myObj = new scanner(System.in);

1. Create a simple statement
2. system.out.println (“what is your favorite city”);
3. Create a string for favoriteCity
4. String favoriteCity = myObj.nextlin();
5. Set and bring out variable statement for the number of characters in the city
6. System.out.println (“Number of characters in the city name is ” + favoriteCity.lenght());
7. Set and bring out variable statement for the name of the city in uppercase
8. System.out.println (“The name of the city in uppercase is ” + favoriteCity.toUpperCase());
9. Set and bring out variable statement for the name of the city in lowercase
10. System.out.println (“The name of the city in lowercase is ” + favoriteCity.toLowerCase());
11. Set and bring out variable statement for the first character in the city
12. System.out.println (“The first character of the city is ” + favoriteCity.charAt(0));
13. End of program

6. Restaurant Bill:

1. import scanner class
2. public class RestaurantBill
3. Set up variables as double
4. public static double mealPriceAfterTax;
5. public static double totalMealPrice;
6. public static void main
7. In main, bring out scanner to read the user input
8. Scanner myObj = new Scanner(System.in);
9. Print out statement
10. System.out.println(“What was the cost of the meal?”);
11. Bring out variable
12. double mealPrice = myObj.nextDouble();
13. Set up equation for meal after tax
14. mealPriceAfterTax = ((mealPrice\*tax) + mealPrice);
15. Set up equation for total meal price
16. totalMealPrice = ((mealPriceAfterTax\*tip) + mealPriceAfterTax);
17. Print out final statement and variables
18. System.out. println(“This is the meal price $” + mealPrice + “, this is the price after tax $” + mealPriceAfterTax + “, this is the meal price after tax and tip $” + totalMealPrice);

7. Ingredients adjuster

1. Import scanner class
2. Public class Ingredient adjuster
3. In class, set up variables as double
4. Divide cups by 48 to get per cookie measurement.
5. public static double cupsOfSugarPerCookie = (1.5/48);
6. public static double cupsOfButterPerCookie = (1.0/48);
7. public static double cupsOfFlourPerCookie = (2.75/48);
8. public static void main
9. In main, bring out scanner
10. Scanner myObj = new Scanner(System.in);
11. Print out statement and set up a new variable for amountOfCookies as int
12. System.out. println(“How many cookies do you want to make”);

Int amountOfCookies = myObj.nextInt();

1. Print out equations in statements for whatever quantity of cookies you want to make
2. System.out.println(“This is the recipe to make ” + amountOfCookies + “ cookies!”);
3. System.out. println(“Amount of Sugar: ” + cupsOfSugarPerCookie\*amountOfCookies);
4. System.out. println(“Amount of Butter: ” + cupsOfButterPerCookie\*amountOfCookies);
5. System.out. println(“Amount of Flour: ” + cupsOfFlourPerCookie\*amountOfCookies);
6. End of program

8. Word Game:

1. import scanner
2. public class
3. public static void main
4. In main, bring out scanner
5. Scanner myObj = new scanner(System.in);
6. Print out simple statement for your name and create a string
7. System.out. println(“Please input your name”);

String myName = myObj.next();

1. Print out simple statement for your age and create a new String for your age
2. System.out. println(“Please input your age”);

String myAge = myObj.nextInt();

1. Print out simple statement for the name of the city and create a new String for the name of the city
2. System.out. println(“Please input the name of a city”);

String myCity = myObj.next();

1. Print out simple statement for the name of the college and create a new String for the name of the college
2. System.out. println(“Please input the name of a college ”);

String myCollege = myObj.next();

1. Print out simple statement for a profession and create a new String for a profession
2. System.out. println(“Please input a profession”);

String myProfession = myObj.next();

1. Print out simple statement for a type of animal and create a new String for a type of animal
2. System.out. println(“Please input a type of animal”);

String myAnimal = myObj.next();

1. Print out simple statement for a pet’s name and create a new String for a pet’s name
2. System.out. println(“Please input pet’s name”);

String myPetName = myObj.next();

1. Print out final statement
2. System.out. println(“There once was a person named ” + myName + “who lived in” + myCity + “. At the age of ” + myAge + “,” + myName + “went to college at ” + myCollege + “.” + myName + “graduated and went to work as a ” + myProfession + “. Then, ” + myName + “adopted a(n) ” + myAnimal + “named ” + myPetName + “. They both lived happily ever after!” );
3. End of program