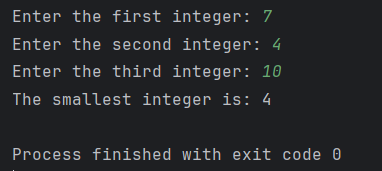
Q1.

Code:

package Q\_01;  
  
import java.util.Scanner;  
  
public class Q\_01 {  
 public static void main(String[] args) {  
 // Create a Scanner object  
 Scanner scanner = new Scanner(System.*in*);  
  
 //taking integer input 1  
 System.*out*.print("Enter the first integer: ");  
 int x = scanner.nextInt();  
 //taking integer input 2  
 System.*out*.print("Enter the second integer: ");  
 int y = scanner.nextInt();  
 //taking integer input 3  
 System.*out*.print("Enter the third integer: ");  
 int z = scanner.nextInt();  
  
 int min; //smallest integer  
  
 if(x < y) {  
 if(x < z) {  
 min = x; //x is the smallest  
 } else {  
 min = z; //z is the smallest  
 }  
 } else {  
 if(y < z) {  
 min = y; //y is the smallest  
 } else {  
 min = z; //z is the smallest  
 }  
 }  
  
 // Print the smallest integer  
 System.*out*.println("The smallest integer is: " + min);  
 }  
}

Output:



Q2.

Code:

package Q\_02;  
  
import java.util.Scanner;  
  
public class Q\_02 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("0.Magenta");  
 System.*out*.println("1.Cyan");  
 System.*out*.println("2.Red");  
 System.*out*.println("3.Blue");  
 System.*out*.println("4.Green");  
 System.*out*.println("Select a color from the above list: ");  
 int seletion = scanner.nextInt();  
  
 switch (seletion) {  
 case 0:  
 System.*out*.println("You selected Magenta");  
 break;  
 case 1:  
 System.*out*.println("You selected Cyan");  
 break;  
 case 2:  
 System.*out*.println("You selected Red");  
 break;  
 case 3:  
 System.*out*.println("You selected Blue");  
 break;  
 case 4:  
 System.*out*.println("You selected Green");  
 break;  
 default:  
 System.*out*.println("Invalid selection");  
 break;  
 }  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q3.

Code:

package Q\_03;  
  
import java.util.Scanner;  
  
public class Q\_03 {  
 public static void main(String[] args) {  
 // Create a Scanner object  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("Enter the power of 10: ");  
 //taking the power of 10 as input  
 int power = scanner.nextInt();  
  
 // Check the power and print the corresponding name  
 switch (power) {  
 case 6:  
 System.*out*.println("10 to the power of 6 is: Million");  
 break;  
 case 9:  
 System.*out*.println("10 to the power of 9 is: Billion");  
 break;  
 case 12:  
 System.*out*.println("10 to the power of 12 is: Trillion");  
 break;  
 case 15:  
 System.*out*.println("10 to the power of 15 is: Quadrillion");  
 break;  
 case 18:  
 System.*out*.println("10 to the power of 18 is: Quintillion");  
 break;  
 case 21:  
 System.*out*.println("10 to the power of 21 is: Sextillion");  
 break;  
 case 30:  
 System.*out*.println("10 to the power of 30 is: Nonillion");  
 break;  
 case 100:  
 System.*out*.println("10 to the power of 100 is: Googol");  
 break;  
 default:  
 System.*out*.println("Invalid input");  
 break;  
 }  
 }  
}

Output:

A black screen with white text

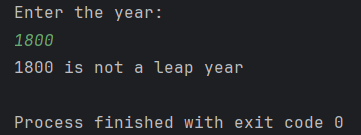
AI-generated content may be incorrect.

Q4.

Code:

package Q\_04;  
  
import java.util.Scanner;  
  
public class Q\_04 {  
 public static void main(String[] args) {  
 // Create a Scanner object  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("Enter the year: ");  
 //taking the year as input  
 int year = scanner.nextInt();  
 // Check if year is divisible by 4 and not divisible by 100  
 if (year%4 == 0 && year%100 != 0)  
 System.*out*.println(year + " is a leap year");  
 else  
 {  
 // Check if year is divisible by 4, 100 and 400  
 if (year%4 == 0 && year%100 == 0 && year%400 == 0)  
 System.*out*.println(year + " is a leap year");  
 else  
 System.*out*.println(year + " is not a leap year");  
 }  
 }  
}

Output:



Q5.

Code:

package Q\_05;  
  
import java.util.Scanner;  
  
public class Q\_05 {  
 public static void main(String[] args) {  
 // Create a Scanner object  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("---Welcome to MyJava Lo-Fat Burgers---\n");  
 System.*out*.println("\tMenu");  
 System.*out*.println("1.Entree\n2.Side Dish\n3.Drink\n");  
 System.*out*.println("Please choose one of the menu categories by entering number.");  
 //taking the menu item as input  
 int menuItem = scanner.nextInt();  
 // Create arrays for entree items  
 String entree[] = {"Tofu Burger","Cajun Chicken","Buffalo wings","Rainbow Fillet"};  
 // Create arrays for entree prices  
 double entreePrice[] = {3.49,4.59,3.99,2.99};  
 // Create arrays for side dish items  
 String sideDish[] = {"Rice Cracker","No-Salt Fries","Zucchini","Brown Rice"};  
 // Create arrays for side dish prices  
 double sideDishPrice[] = {0.79,0.69,1.09,0.59};  
 // Create arrays for drink items  
 String drink[] = {"Cafe Mocha","Cafe Latte","Espresso","Oolong Tea"};  
 // Create arrays for drink prices  
 double drinkPrice[] = {1.99,1.90,2.49,0.99};  
 int item;  
  
 // Check the menu item and call the appropriate method  
 switch (menuItem)  
 {  
 case 1:  
 *loop*(entree,entreePrice);  
 item = scanner.nextInt();  
 *output*(entree,entreePrice,item);  
 break;  
 case 2:  
 *loop*(sideDish,sideDishPrice);  
 item = scanner.nextInt();  
 *output*(sideDish,sideDishPrice,item);  
 break;  
 case 3:  
 *loop*(drink,drinkPrice);  
 item = scanner.nextInt();  
 *output*(drink,drinkPrice,item);  
 break;  
 default:  
 System.*out*.println("Invalid input");  
 break;  
 }  
 }  
 // This method displays the menu items and their prices  
 public static void loop(String array[], double priceArray[])  
 {  
 for(int i = 0;i<4;i++)  
 {  
 System.*out*.println((i+1)+"."+array[i]+"\t\t$"+priceArray[i]);  
 }  
 System.*out*.println("\nEnter the number to add item to the order.");  
 }  
 // This method outputs the selected item and its price  
 public static void output(String array[], double arrayPrice[], int x)  
 {  
 if(x > 0 && x < 5)  
 System.*out*.println(array[x-1]+" added to the order. Total cost $"+arrayPrice[x-1]);  
 else  
 System.*out*.println("Invalid selection");  
 }  
}

Output:

