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| Q-01 | package Q\_01;  import java.util.Scanner;  public class Main {  public static void main(String[] args) {  Scanner scan = new Scanner(System.*in*);  System.*out*.print("Enter number 01/03 : ");  int num1 = scan.nextInt();  System.*out*.print("Enter number 02/03 : ");  int num2 = scan.nextInt();  System.*out*.print("Enter number 03/03 : ");  int num3 = scan.nextInt();  int min;  if (num1 < num2){  min = num1;  if (num1<num3)  min = num1;  else  min = num3;  }else if(num2 < num3){  min = num2;  }else{  min = num3;  }  System.*out*.println("The minimum number is: " + min);  } } |
| Q-02 | package Q\_02; import java.util.Scanner; public class Main {  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*.print("Select one color from the above list:");  int selection = scanner.nextInt();   switch (selection){  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");  }   */\* if (selection == 0)  System.out.println("You selected Magenta");  else if (selection == 1)  System.out.println("You selected Cyan");  else if (selection == 2)  System.out.println("You selected Red");  else if (selection == 3)  System.out.println("You selected Blue");  else if (selection == 4)  System.out.println("You selected Green");  else  System.out.println("Invalid selection");\*/* } } |
| Q-03 | package Q\_03; import java.util.Scanner; public class Main {  public static void main(String[] args) {  Scanner scan = new Scanner(System.*in*);  System.*out*.print("Enter a Power of 10 (ex: 6/9/12/15/18/21/30/100) : ");  int power = scan.nextInt();  String result = "";  if (power == 6) {  result = "Million";  } else if (power == 9) {  result = "Billion";  } else if (power == 12) {  result = "Trillion";  } else if (power == 15) {  result = "Quadrillion";  } else if (power == 18) {  result = "Quintillion";  } else if (power == 21) {  result = "Sextillion";  } else if (power == 30) {  result = "Nonillion";  } else if (power == 100) {  result = "Googol";  } else {  System.*out*.println("Invalid input");  }  System.*out*.println("10^" + power + " = " + result);  } } |
| Q-04 | package Q\_04; import java.util.Scanner; public class Main {  public static void main(String[] args) {  Scanner scan = new Scanner(System.*in*);  System.*out*.print("Enter a year : ");  int year = scan.nextInt();  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");  }  } } |
| Q-05 | package Q\_05;  import java.util.ArrayList; import java.util.Arrays; import java.util.Scanner;  public class Main {  public static void main(String[] args) {  Scanner scan = new Scanner(System.*in*);  ArrayList<String> Entree = new ArrayList<String>(Arrays.*asList*("Tofu Burger", "Cajun Chicken", "Buffalo Wings", "Rainbow Fillet"));  ArrayList<Double> EntreePrice = new ArrayList<Double>(Arrays.*asList*(3.49, 4.59, 5.99, 2.99));  ArrayList<String> SideDish = new ArrayList<String>(Arrays.*asList*("Rice Cracker", "No-Salt Fries", "Zucchini", " Brown Rice"));  ArrayList<Double> SideDishPrice = new ArrayList<Double>(Arrays.*asList*(0.79, 0.69, 1.09, 0.59));  ArrayList<String> Drink = new ArrayList<String>(Arrays.*asList*("Cafe Mocha", "Cafe Latte", "Espresso", "Oolong Tea"));  ArrayList<Double> DrinkPrice = new ArrayList<Double>(Arrays.*asList*(1.99, 1.90, 2.49, 0.99));  ArrayList<Integer> Orderid = new ArrayList<>();   System.*out*.println("Welcome to the restaurant!");   while(true){  System.*out*.println(" ");  for(int i=0; i<Entree.size(); i++){  System.*out*.println((i+1) + ". " + Entree.get(i) + " - $" + EntreePrice.get(i));  }  System.*out*.print("Enter Your Entree Number: ");  int order = scan.nextInt();  Double Price = 0.0;  for (int i = 0; i < Entree.size(); i++) {  if (order < 1 || order > Entree.size()) {  System.*out*.println("Invalid Order Number. Please try again.");  continue;  }  if (order == i + 1) {  System.*out*.println("You have selected: " + Entree.get(i) + " - $" + EntreePrice.get(i));  Price += EntreePrice.get(i);  Orderid.add(i);  break;  }  }  //Side Dish  System.*out*.println(" ");  System.*out*.println("Select a Side Dish:");  for (int i = 0; i < SideDish.size(); i++) {  System.*out*.println((i + 1) + ". " + SideDish.get(i) + " - $" + SideDishPrice.get(i));  }  System.*out*.print("Enter Your Side Dish Number: ");  order = scan.nextInt();  for (int i = 0; i < SideDish.size(); i++) {  if (order < 1 || order > SideDish.size()) {  System.*out*.println("Invalid Order Number. Please try again.");  continue;  }  if (order == i + 1) {  System.*out*.println("You have selected: " + SideDish.get(i) + " - $" + SideDishPrice.get(i));  Price += SideDishPrice.get(i);  Orderid.add(i);  break;  }  } //Drink  System.*out*.println(" ");  System.*out*.println("Select a Drink:");  for (int i = 0; i < Drink.size(); i++) {  System.*out*.println((i + 1) + ". " + Drink.get(i) + " - $" + DrinkPrice.get(i));  }  System.*out*.print("Enter Your Drink Number: ");  order = scan.nextInt();  for (int i = 0; i < Drink.size(); i++) {  if (order < 1 || order > Drink.size()) {  System.*out*.println("Invalid Order Number. Please try again.");  continue;  }  if (order == i + 1) {  System.*out*.println("You have selected: " + Drink.get(i) + " - $" + DrinkPrice.get(i));  Price += DrinkPrice.get(i);  Orderid.add(i);  break;  }  }  System.*out*.println("======================");  System.*out*.println("You have selected: ");  System.*out*.println(Entree.get(Orderid.get(0)) + " - $" + EntreePrice.get(Orderid.get(0)));  System.*out*.println(SideDish.get(Orderid.get(1)) + " - $" + SideDishPrice.get(Orderid.get(1)));  System.*out*.println(Drink.get(Orderid.get(2)) + " - $" + DrinkPrice.get(Orderid.get(2)));  System.*out*.println("======================");  System.*out*.println("Total Price : $" + Price);  System.*out*.println("======================");  Orderid.clear();   }  } } |