**Programming Assignment 2:**

**Small Utility Calculator:  
public class SmartUtilityCalculator {**

public class void main(String[]args){

System.out.println(“Welcome to the Smart Utility Calculator”);

int choice = scanner.nextInt();

switch (case) {

case 1:Even or Odd

System.out.println(“Enter a number:”);

int number = scanner.nextInt();

if (isEven(number)){

System.out.println(“The number” + number + “ is Even.”);

}else{

System.out.println(“The number”+ number +” is Odd.”);

switch (case)

case 2:Largest of Three Numbers

System.out.println(“Enter the first number:”);

double num1 = scanner.nextDouble();

System.out.println(“Enter the second number:”);

double num2 = scanner.nextDouble();

System.out.println(“Enter the third number:”);

double num3 = scanner.nextDouble();

double largest = findLargest(num1,num2,num3);

System.out.println(“The largest number is:” + largest);

switch (case)

case 3:Grade Calculator

char grade;

if (grade>=90){

System.out.println(“A”);

else if (grade>=80){

System.out.println(“B”);

else if (grade>=70){

System.out.println(“C”);

else if (grade>=60){

System.out.println(“D”);

}else{

System.out.println(“F”);

switch (case)

case 4:Simple Calculator

double num1= 25.5;

double num2= 5.0;

char operator= ‘/’;

double result;

switch (operator){

case ‘+’:

result= num1 + num2;

System.out.println(“Result:” + num1 + ”+” + num2 + “=” + result);

break;

case ‘-’:

result= num1 - num2;

System.out.println(“Result:” + num1 + “-” + num2 + “=” + result);

break;

case ‘\*’:

result= num1 \* num2;

System.out.println(“Result:” + num1 + “\*” + num2 + “=” + result);

break;

case ‘/’:

if(num2 != 0){

result= num1/num2;

System.out.println(“Result:” + num1 + “/” + num2 + “=” + result);

}else{

System.out.println(“Error: Number cannout be divisible by zero.”);

}

break;

default:

System.out.println(“Error: Invalid operator. Please use ‘+’,’-’,’\*’or ‘/’.”);

switch (case)

case 5:Exit

System.out.println(“Goodbye!”);

int choice = 0;

System.out.println(“Enter your choice between 1 and 3:”);

if(choice >= 1 && choice <= 3) {

System.out.println(“You selected:” + choice);

break;

default:

System.out.println(“Invalid choice. Please enter a number between 1 and 3.”);