Q2

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| package JsWeek2;  import java.util.\*;  public class Pr2 {  static void swap(int[] a, int idx1, int idx2) {  int t = a[idx1]; a[idx1] = a[idx2]; a[idx2] = t;  }    static void reverse(int[] a) {  for(int i =0; i<a.length/ 2; i ++) {  System.***out***.println("a[" + i + "]와 a[" + (a.length - i - 1) + "]을 교환합니다.");  *swap*(a, i, a.length - i -1);  System.***out***.println(Arrays.*toString*(a));  }  }  public static void main(String[] args) {  // **TODO** Auto-generated method stub  Scanner sc = new Scanner(System.***in***);  System.***out***.print("요솟수는 : ");  int num = sc.nextInt();  int[] x = new int[num];    for (int i = 0; i < num; i++) {  System.***out***.print("x[" + i + "] : ");  x[i] = sc.nextInt();  }  *reverse*(x);  System.***out***.println("역순 정렬을 마쳤습니다");  }  } |

Q4

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| package JsWeek2;  import java.util.\*;  public class Pr4 {  static void copy(int[] a, int[] b) {  int[] temp = new int[a.length];  for (int i = 0; i < a.length; i++) {  temp[i] = a[i];  a[i] = b[i];  b[i] = temp[i];  }  }  public static void main(String[] args) {  // **TODO** Auto-generated method stub  Scanner sc = new Scanner(System.***in***);  System.***out***.print("a의 요솟수는 : ");  int num = sc.nextInt();  int[] a = new int[num];  for (int i = 0; i < num; i++) {  System.***out***.print("a[" + i + "] : ");  a[i] = sc.nextInt();  }  System.***out***.print("b의 요솟수는 : ");  int numb = sc.nextInt();  int[] b =new int[numb];  for (int i = 0; i < numb; i++) {  System.***out***.print("b[" + i + "] : ");  b[i] = sc.nextInt();  }  *copy*(a, b);    System.***out***.println("복사 후 배열 a");  for (int i = 0; i < a.length; i++) {  System.***out***.println("a[" + i + "] : " + a[i]);  }  System.***out***.println("복사 후 배열 b");  for (int i = 0; i < b.length; i++) {  System.***out***.println("b[" + i + "] : " + b[i]);  }  }  } |

Q6

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| package JsWeek2;  import java.util.\*;  public class Pr6 {  static int cardConv(int x, int r, char[] d) {  int digits = 0;  String dchar = "0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ";    do {  System.***out***.printf(" +");  d[digits++] =dchar.charAt(x%r);  x /= r;  }while(x !=0);    for (int i = 0; i < digits / 2; i++) {  char t = d[i];  d[i] = d[digits - i - 1];  d[digits - i - 1] = t;  }  return digits;  }    public static void main(String[] args) {  // **TODO** Auto-generated method stub  Scanner sc = new Scanner(System.***in***);  int no;  int cd;  int dno;  int retry;  char[] cno = new char[32];    System.***out***.println("10진수를 기수 변환합니다.");  do {  do {  System.***out***.print("변환하는 음이 아닌 정수: ");  no = sc.nextInt();  } while (no < 0);  do {  System.***out***.print("어떤 진수로 변환할까요?(2-36): ");  cd = sc.nextInt();  } while (cd < 2 || cd > 36);  dno = *cardConv*(no, cd, cno);  System.***out***.print(cd + "진수로 ");  for (int i = 0; i < dno; i++)  System.***out***.print(cno[i]);  System.***out***.println("입니다.");  System.***out***.print("다시 한 번 할까요? (1…예/0…아니오): ");  retry = sc.nextInt();  } while (retry == 1);  }  } |

Q8

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| package JsWeek2;  import java.util.\*;  class Pr8 {  int y;  int m;  int d;    static int [][] *mdays* = {  {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31},  {31, 29, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31}  };    static int leap(int year) {  return (year % 4 == 0 && year % 100 != 0 || year % 400 == 0) ? 1 : 0;  }    Pr8(int y, int m, int d){  this.y =y;  this.m = m;  this.d = d;  }    Pr8 after(int n) {  Pr8 re = new Pr8(this.y, this.m, this.d);  if(n<0)  return before(-n);  while (n > 0) {  int days = *mdays*[*leap*(re.y)][re.m - 1] - re.d + 1;  if (n >= days) {  n -= days;  re.m++;  re.d = 1;  if (re.m > 12) {  re.y++;  re.m = 1;  }  } else {  re.d += n;  break;  }  }  return re;  }    Pr8 before(int n) {  Pr8 re = new Pr8(this.y, this.m, this.d);  if (n < 0)  return after(-n);  while (n > 0) {  if (re.d <= n) {  n -= re.d;  re.m--;  if (re.m < 1) {  re.y--;  re.m = 12;  }  re.d = *mdays*[*leap*(re.y)][re.m - 1];  } else {  re.d -= n;  break;  }  }  return re;  }  public static void main(String[] args) {  // **TODO** Auto-generated method stub  Scanner sc = new Scanner(System.***in***);  System.***out***.print("날짜를 입력하세요.\n");  System.***out***.print("년 : "); int y = sc.nextInt();  System.***out***.print("월 : "); int m = sc.nextInt();  System.***out***.print("일 : "); int d = sc.nextInt();  Pr8 date = new Pr8(y, m, d);  System.***out***.print("며칠 전/후의 날짜를 구할까요? : ");  int a = sc.nextInt();  Pr8 da = date.after(a);  System.***out***.printf("%d일 후의 날짜는 %d년%d월%d일입니다.\n", a, da.y, da.m, da.d);  Pr8 db = date.before(a);  System.***out***.printf("%d일 전의 날짜는 %d년%d월%d일입니다.\n", a, db.y, db.m, db.d);  }  } |