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java Assignment 1.c

```
import java.util.Scanner;
import java.util.Arrays;
class FromLast
{

    public static void que50()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number:");
        int num = sc.nextInt();
        if(num%2==0 || num%3==0 || num%5==0)
        {
            System.out.println("Divisible by 2");
            System.out.println("Divisible by 3");
            System.out.println("Divisible by 5");
        }

    }

    public static void que49()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter year:");
        int year = sc.nextInt();
        System.out.println("Enter month number:");
        int month = sc.nextInt();
        switch(month)
                {
                    case 1:
                    System.out.println("jan");
                    break;
                    case 2:

                        if(year%4==0 && (year%100!=0 || year%100==0 &&
year%400==0))
                        {
                            System.out.println("29 days");
                        }
                        else
                        {
                            System.out.println("29 days");
                        }
                    break;
```

```
                    case 3:
                    System.out.println("march");
                    break;
                    case 4:
                    System.out.println("april");
                    break;
                    case 5:
                    System.out.println("may");
                    break;
                    case 6:
                    System.out.println("june");
                    break;
                    case 7:
                    System.out.println("july");
                    break;
                    case 8:
                    System.out.println("august");
                    break;
                    case 9:
                    System.out.println("september");
                    break;
                    case 10:
                    System.out.println("oct");
                    break;
                    case 11:
                    System.out.println("nov");
                    break;
                    case 12:
                    System.out.println("dec");
                    break;
                    default:
                    System.out.println("enter valid number");

                }
    }

    public static void que48()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter marks:");
        int marks = sc.nextInt();
        if(marks==85)
        {
            System.out.println("A");
        }
        if(marks==78)
        {
            System.out.println("-A");
        }
    }

    public static void que47()
    {
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter number 1:");
        int num1 = sc.nextInt();
        System.out.println("Enter number 2:");
        int num2 = sc.nextInt();
        if(num1%2==0 && num2%2==0)
        {
            System.out.println("both even");
        }
        else if(num1%2!=0 && num2%2!=0)
        {
            System.out.println("both odd");
        }
        else if(num1%2==0 && num2%2!=0)
        {
            System.out.println("num1 is even\n"+"num2 is odd");
        }
        else if(num1%2!=0 && num2%2==0)
        {
            System.out.println("num1 is odd\n"+"num2 is even");
        }
    }

    public static void que46()
    {
        Scanner sc = new Scanner(System.in);
        char ch = sc.nextLine().charAt(0);
        if(ch>=1 && ch<=9)
        {
            System.out.println("its digit "+ch);
        }
        else if(ch>='a' && ch<='z')
        {
            System.out.println("its lowercase "+ch);
        }
        else if(ch>='A' && ch<='Z')
        {
            System.out.println("its uppercase  "+ch);
        }
        else
        {
            System.out.println("standard character.");
        }

    }

    public static void que45()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter 3-digit number: ");

        int[] arr = new int[3];
        for(int i=0;i<arr.length;i++)
        {
            arr[i]=sc.nextInt();
```

```
        }

        Arrays.sort(arr);

        for(int n : arr)
        {
            System.out.println(n);
        }

    }

    public static void que44()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter 4-digit number: ");
        int num = sc.nextInt(),lastdigit=0,reversed=0;
        int original =num;
        for(int i=0;i<=num;i++)
        {
            lastdigit=num%10;
            reversed = reversed*10+lastdigit;
            System.out.print(reversed);
            num=num/10;
        }

        System.out.println("\nReversed number:"+reversed);
        if(original==reversed)
            System.out.println("its palindrome : ");
        else
            System.out.println("its not palindrome");

    }

    public static void que43()
    {
        //Sum of Digits of a Number
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number: ");
        int num=sc.nextInt(), lastdigit=0,sum=0;
        for(int i=0;i<=num;i++)
        {
            lastdigit=num%10;
            num=num/10;
            sum+=lastdigit;

        }

        System.out.println("sum of digits "+sum);
    }
    public static void que42()
    {
        Scanner sc = new Scanner(System.in);

        for (int i = 100; i <= 500; i++) {
```

```
            int num = i;   // store original number
            int sum = 0;   // reset sum for each number

            while (num > 0) {
                int ld = num % 10;       // last digit
                sum += ld * ld * ld;     // cube of digit
                num = num / 10;          // remove last digit
            }

            if (sum == i) {
                System.out.println(i);
            }
        }
    }

    public static void que41()
    {
        int n=153,temp=n,sum=0,lastdigit=0;
        while(n>0)
        {
            lastdigit=n%10;
            sum+=lastdigit*lastdigit*lastdigit;
            n=n/10;

        }
        if(sum==temp)
        {
            System.out.println(sum+"armstrong");
        }
        else
        {
            System.out.println(sum+"not armstrong");
        }
    }

    public static void que40()
    {
        Scanner sc = new Scanner(System.in);
        int pamount=sc.nextInt(),finalam=0;
        int result = (pamount>1000)?finalam=(10*pamount)/100:pamount;

        System.out.println(pamount-finalam);

    }

    public static void que39()
    {

    }
    public static void que38()
    {
        Scanner sc = new Scanner(System.in);
        char ch = sc.next().charAt(0);
        String st = (ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' ||
```

```
ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U')?"Vowel":"Consonant";
        System.out.println(st);

    }

    public static void que37()
    {

    }
    public static void main(String args[])
    {
            //que50();
            //que49();
            //que48();
            //que47();
            //que46();
            //que45();
            //que44();
            //que43();
            //que42();
            //que41();
            //que40();
            //que39();
            //que38();
            que37();
    }
}
```