

JAVA应用:浮点数转化为大写中文金额 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/182/2021_2022_JAVA_E5_BA_94_E7_94_A8_c104_182499.htm 读入一个浮点数值,将其转化为金额的中文大写方式. 试验要求: 当金额为整数时,只表示整数部分,省略小数部分,并添加"整"字. 当金额中含有连续的0时,只需要一个"零"即可. 10的表示方式.例如110--壹佰一拾元整,10---一拾元整

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----- 1import java.io.*. 2class chineseMoney...{ 3 private String
number[]=...{"","壹","贰","叁","肆","伍","陆","柒","捌","玖"}. 4
private String unit[]=...{"","拾","佰","仟"}. 5 private String
small[]=...{"角","分"}. 6 //private String strNumber,strUnit,strAll. 7
8 //是否在number中 9 private boolean IsInNumber(String
strNumber) 10 ...{ 11 boolean inNumber=false. 12 for (int i=0.i13
...{ 14 if (strNumber.compareTo (number[i])==0) inNumber=true.
15 } 16 return inNumber. 17 } 18 19 20 private String
SplitChineseNumber(int intUnit,String strInt) 21 ...{ 22 int
l=strInt.length (). 23 int j,k,zeorCountTemp=0. 24 String
strUnit="",strNumber="",strAll="". 25 26 //判断在千万到万位 是
否全为0，是的话，不返回“万”，返回“ ”； 27 boolean
temp=false. 28 for (k=0.k29 ...{ 30 String
strTemp=strInt.substring(k,k 1). 31 int
intTemp=Integer.parseInt(strTemp). 32 33 if (intTemp!=0)
temp=true. 34 } 35 if (temp==false) 36 ...{ 37 if (intUnit==5)return
"". 38 } 39 40 41 int checkK=0. 42 //正式开始转换 43 for (k=0.k44
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...{ 45 String strTemp=strInt.substring(k,k 1). 46 int
intTemp=Integer.parseInt(strTemp). 47 strNumber=
number[intTemp]. 48 49 //j 从 50 j=l-1-k. 51 52 strUnit=unit[j]. 53
54 55 //数值 + 单位 56 //如果数值 = 0 , 数值 = " " 57 if
(intTemp==0) 58 ...{ 59 // 60 if (zeorCountTemp==0) 61 ...{ 62 //
单位 = 零 63 strUnit=strUnit.replace(拾,零). 64
strUnit=strUnit.replace(佰,零). 65 strUnit=strUnit.replace(仟,零).
66 } 67 else 68 ...{ 69 //多零情况下 , 单位 = " " 70
strUnit=strUnit.replaceAll("拾",""). 71 strUnit=strUnit.replaceAll("
佰",""). 72 strUnit=strUnit.replaceAll("仟",""). 73 } 74
zeorCountTemp . 75 } 76 checkK=k. 77 strAll =strNumber strUnit.
78 } 79 80 return strAll. 81 } 82 83 private String onlyInt(int intInt) 84
...{ 85 String strInt. 86 strInt=String.valueOf(intInt). 87 int
l=strInt.length(). 88 89 String strAll="". 90 //按照四位 一分隔 来计
算 91 if (l>8)//亿 92 ...{ 93 strAll
=this.SplitChineseNumber(9,strInt.substring(0,l-8)) "亿". 94 strAll
=this.SplitChineseNumber(5,strInt.substring(l-8,l-4)). 95 strAll
=this.SplitChineseNumber(1,strInt.substring(l-4,l)) "元". 96 } 97 else
if (l>4)//万 98 ...{ 99 strAll
=this.SplitChineseNumber(5,strInt.substring(0,l-4)). 100 strAll
=this.SplitChineseNumber(1,strInt.substring(l-4,l)) "元". 101 102 }
103 else if (l>0) 104 ...{ 105 strAll
=this.SplitChineseNumber(1,strInt) "元". 106 } 107// 108// 109//
110// 111// 100101000 112 int checkL=strAll.length(). 113 114 char
strTemp2. 115 for (int k=1.k116 ...{ 117 strTemp2=strAll.charAt(k).
118 if (strTemp2==零) 119 ...{ 120 //判断零的前后是否有数字 ,
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无数字则删除这个零 121 String

strBeforeTemp=strAll.substring(k-1,k). 122 String

strAfterTemp=strAll.substring(k 1,k 2). 123 if

(!this.IsInNumber(strBeforeTemp)amp.!this.IsInNumber(strAfterTe

mp)) 124 ...{ 125 strBeforeTemp=strAll.substring(0,k). 126

strAfterTemp=strAll.substring(k 1,checkL). 127 strAll=

strBeforeTemp strAfterTemp. 128 break. 129 } 130 131 } 132 } 133

134 return strAll. 135 136 } 137 138 private String onlySmall(int

intSmall) 139 ...{ 140 String strNumber,strUnit,strAll. 141

strNumber="".strUnit="".strAll="". 142 String strSmall,strTemp. 143

strSmall=String.valueOf(intSmall). 144 int i. 145 if (intSmall>=10)

146 ...{ 147 for (i=0.i148 ...{ 149

strTemp=String.valueOf(intSmall).substring(i,i 1). 150 if

(Integer.parseInt(strTemp)!=0) 151 ...{ 152

strNumber=number[Integer.parseInt(strTemp)]. 153

strUnit=small[i]. 154 strAll =strNumber strUnit. 155 } 156 } 157 }

158 else 159 ...{ 160 if (intSmall!=0) 161 ...{ 162

strNumber=number[intSmall]. 163 strUnit=small[1]. 164 strAll

=strNumber strUnit. 165 } 166 } 167 168 return strAll. 169 } 170 171

public String getChineseMoney(double number) 172 ...{ 173 //四舍

五入 174 number=(number*100 0.5)/100. 175 176 String

strAll,strChineseInt,strChineseSmall,strZheng.. 177 int

intInt,intSmall. 178

strChineseInt="".strChineseSmall="".strZheng="". 179 180 //整数部

分 181 intInt=(int)(number*100/100). 182 if (intInt!=0) 183 ...{ 184

strChineseInt=onlyInt(intInt). 185 } 186 //小数部分 187 double

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temp=(number-intInt)*100*100/100. 188 //对小数部分四舍五入
189 intSmall=(int)(temp*100 0.5)/100. 190 if (intSmall!=0) 191 ...{
192 strChineseSmall=onlySmall(intSmall). 193 } 194 else 195 ...{ 196
strZheng="整". 197 } 198 strAll=strChineseInt strChineseSmall
strZheng. 199 return strAll. 200 } 201 public static void main(String
args[]) throws IOException 202 ...{ 203 chineseMoney cm=new
chineseMoney(). 204 double money. 205 String
strMoney,strChineseMoney. 206 strMoney="". 207 //读取 208
System.out.println("输入货币(四舍五入):"). 209 BufferedReader
cin = new BufferedReader(new InputStreamReader( System.in)).
210 strMoney = cin.readLine(). 211
money=Double.parseDouble(strMoney). 212
//money=12346.465.//Double.parseDouble(strMoney). 213
strChineseMoney=cm.getChineseMoney(money). 214
System.out.println(strChineseMoney). 215 } 216} 100Test 下载频
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