	M3 - Programacion	
	UF1: <i>Programacion Estructura</i>	
<i>Quiñones Russomanno, Claudio</i>		
Práctica Nº: 17	<i>Funciones</i>	

M3\_P17

```
import java.util.Scanner;

public class Main_M3_17 {
    static Scanner keyboard = new Scanner (System.in);

    public static void main(String[] args) {
        int euro, num = 0;
        String eurol;
        float euro2;
        char letter;
        System.out.println("Author:Claudio Quiñones");
        int option = -1;
        keyboard.useDelimiter("\n");
    }
}
```

Menu:

Function: from 1 to 5

```
15         do {
16             userMenu();
17             option = keyboard.nextInt();
18             switch (option) {
19                 case 1:
20                     System.out.println("Insert amount of Euro:");
21                     euro=keyboard.nextInt();
22                     functionIntFloat(euro);
23                     break;
24                 case 2:
25                     System.out.println("Insert amount of Euro:");
26                     euro=keyboard.nextInt();
27                     functionIntDouble(euro);
28                     break;
29                 case 3:
30                     System.out.println("Insert amount of Euro:");
31                     euro=keyboard.nextInt();
32                     functionIntString(euro);
33                     break;
34                 case 4:
35                     System.out.println("Insert amount of Euro:");
36                     eurol=keyboard.next();
37                     functionStringInt(eurol);
38                     break;
39                 case 5:
40                     System.out.println("Insert amount of Euro:");
41                     euro2=keyboard.nextFloat();
42                     functionFloatInt(euro2);
43                     break;
44             }
45         } while (option != -1);
46     }
47 }
```

From 5 to 10

```

Main_M3_17.java
case 6:
    System.out.println("Insert amount of Euro:");
    euro2 = keyboard.nextFloat();
    functionFloatString(euro2);
    break;
case 7:
    System.out.print("Insert character:");
    letter = (keyboard.next()).charAt(0);
    functionChar(letter);
    break;
case 8:
    System.out.print("Insert name:");
    String str = keyboard.next();
    String result = functionStringBinary(str);
    System.out.println(result+"\n");
    break;
case 9:
    int numch;
    do{
        System.out.println("Number from 0 to 255");
        numch = keyboard.nextInt();
    }while (numch > 255 || numch < 0);
    String result9 = functionIntChar(numch);
    System.out.println(numch+" = " + result9);
    break;
case 10:
    functionCharInt();
    break;
default:
    System.out.println("Option not available :(");
}

```

Functions:

```

94 //function receives int, gives float
95 private static Float functionIntFloat (int euro) {
96     float result=0;
97     result =(float) euro/0.91f;//cast
98     System.out.println("Euro: " + euro+"€" = "+result+" dollar.");
99     System.out.println();
100     return result;
101 }
102
103 private static double functionIntDouble(int eurol) {
104     double result=0;
105     result =(double) eurol/0.91;
106     System.out.println("Euro: " + eurol+"€" = "+result+" dollar.");
107     System.out.println();
108     return result;
109 }
110
111 private static String functionIntString(int euro) {
112     String result= Integer.toString(euro);
113     System.out.println("Euro: " + euro+"€" = "+result+" dollar.");
114     System.out.println();
115     return result;
116 }
117
118 private static Integer functionStringInt(String eurol) {
119     int result = Integer.parseInt(eurol);
120     System.out.println("Euro: " + eurol+"€" = "+result+" dollar.");
121     System.out.println();
122     return result;
123 }

```

```

124
125     private static Integer functionFloatInt(float euro2) {
126         int result=0;
127         result =(int) (euro2/0.91);//cast
128         System.out.println("Euro: " + euro2+"€"+" = "+result+" dollar.");
129         System.out.println();
130         return result;
131     }
132
133     private static String functionFloatString(float euro2) {
134         String result= Float.toString(euro2);
135         System.out.println("Euro: " + euro2+"€"+" = "+result+" dollar.");
136         System.out.println();
137         return result;
138     }
139
140     private static void functionChar(char letter) {
141         int intletter;
142         intletter = (int) letter;
143         System.out.println(letter+"="+intletter);
144         System.out.println();
145     }
146 }

```

Main\_M3\_17.java

```

return result;
}


private static void functionChar(char chr) {
    String letterB = Integer.toBinaryString(chr);
    System.out.println(chr + " = " + letterB);
}

private static String functionStringBinary(String str1) {
    String result = "";
    char ch = '!';
    for (int i = 0; i < str1.length(); i++) {
        ch = str1.charAt(i);
        result += Integer.toBinaryString(ch) + " ";
    }
    return result;
}

private static String functionIntChar(int numch) {
    String aChar = new Character((char)numch).toString();
    return aChar;
}

private static void functionCharInt() {
    System.out.println("-----");
    for(int i=0; i<255; i++){
        System.out.println(i + "\t"+Integer.toString(i,16)+" = " + (char)i);
    }
}

```

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From the archive we open the GIT Bash and we use the following commands.

```

MINGW64:/e/Netbeans/M3_P17
claudioqui@DAM-PC03 MINGW64 /e/Netbeans/M3_P17
$ git init
Initialized empty Git repository in E:/Netbeans/M3_P17/.git/

claudioqui@DAM-PC03 MINGW64 /e/Netbeans/M3_P17 (master)
$ git add .

claudioqui@DAM-PC03 MINGW64 /e/Netbeans/M3_P17 (master)
$

```

```


MINGW64:/e/Netbeans/M3_P17
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   build.xml
    new file:   build/built-jar.properties
    new file:   build/classes/.netbeans_automatic_build
    new file:   build/classes/.netbeans_update_resources
    new file:   build/classes/MainPackage_17/Main_M3_17.class
    new file:   manifest.mf
    new file:   nbproject/build-impl.xml
    new file:   nbproject/genfiles.properties
    new file:   nbproject/private/private.properties
    new file:   nbproject/private/private.xml
    new file:   nbproject/project.properties
    new file:   nbproject/project.xml
    new file:   src/MainPackage_17/Main_M3_17.java

claudioqui@DAM-PC03 MINGW64 /e/Netbeans/M3_P17 (master)
$

```

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This message shows us that our program has successfully upload to our GITHUB.

```

claudioqui@DAM-PC03 MINGW64 ~/Desktop/M3-Progrmacion/P_17 (master)
$ git commit
[master (root-commit) 38865d4] Version 0.0.1
1 file changed, 185 insertions(+)
create mode 100644 Main_M3_17.java

claudioqui@DAM-PC03 MINGW64 ~/Desktop/M3-Progrmacion/P_17 (master)
$ git log
commit 38865d427ca00817f47f9796fcf3e552fa6eac3 (HEAD -> master)
Author: Claudioqui <claudioqui@campus.monlau.com>
Date:   Fri Feb 14 11:35:31 2020 +0100

    Version 0.0.1

claudioqui@DAM-PC03 MINGW64 ~/Desktop/M3-Progrmacion/P_17 (master)
$ git remote add origin https://github.com/Claudioqui/P17.git

claudioqui@DAM-PC03 MINGW64 ~/Desktop/M3-Progrmacion/P_17 (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 1.47 KiB | 1.47 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Claudioqui/P17.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

claudioqui@DAM-PC03 MINGW64 ~/Desktop/M3-Progrmacion/P_17 (master)
$ |

```

This would be the result:

Claudioqui / P17

Unwatch

1

Star

0

Fork

0

<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Security

Insights

Settings

M3 - UF2 - P17

Edit

Manage topics

2 commits

1 branch

0 packages

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

Claudioqui Create README.md

Latest commit 7ef2073 17 minutes ago

Main\_M3\_17.java

Version 0.0.1

28 minutes ago

README.md

Create README.md

17 minutes ago

README.md