	Programación	
	UF2	Conversiones
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Ejercicios	***M3***	

Conversiones

```
//Cominezo Uf2. Consola, conversiones
package uf2_conversiones;

import java.util.Scanner;
import java.text.DecimalFormat;

public class Uf2_conversiones {

   private static DecimalFormat df = new DecimalFormat(" 0.00");
   static Scanner keyboard = new Scanner(System.in);

   public static void main(String[] args) {
      int option, euros, meters;
      float dolares, cant;
      double feets;
      String dolar, kg;
      char ch;
      userMenu();//Metodo que visualiza el menú de usuario
      option = keyboard.nextInt();
      switch (option) {
         case 1:
            System.out.println("Say me your euros and i translate you, to dolars");
            euros = keyboard.nextInt();
            dolares = Option1(euros);
            System.out.println("Your euros to dolars are: " + dolares);
            break;
     case 2:
```

```
    System.out.println("Say me your centimeters and i translate you, to feets");
    meters = keyboard.nextInt();
    feets = Option2(meters);
    System.out.println("Your centimeters to feets are: " + df.format(feets));
    break;
case 3:
    System.out.println("Say me your euros");
    euros = keyboard.nextInt();
    dolar = Option3(euros);
    System.out.println(" " + dolar+ "€");
    break;
case 4:
    System.out.println("Say me your weight in kg");
    kg = keyboard.next();
    dolares = Option4(kg);
    System.out.println("Your kg in pounds are " + dolares);
    break;
case 5:
    System.out.println("Say me a float");
    dolares = keyboard.nextFloat();
    euros = Option5(dolares);
    System.out.println(" " + euros);
    break;
case 6:
    System.out.println("Say me a xxx");
    dolares = keyboard.nextFloat();
    dolar = Option6(dolares);
    System.out.println("" + dolar);
    break;
case 7:
    Option7();
```

```
            break;
        case 8:
            System.out.println("Please, a letter");
            ch = (keyboard.next()).charAt(0);
            kg = Option8(ch);

            break;
        case 9:
            System.out.println("Say me a number and i translate you, to binary");
            meters = keyboard.nextInt();
            ch = Option9(meters);
            System.out.println("" + ch);
            break;
        case 10:
            Option10();
            break;

    }
}

private static void userMenu() {
    System.out.println("Option1:Euros to dolars");
    System.out.println("Option2:centimeters to feets");
    System.out.println("Option3:Euro, string");
    System.out.println("Option4:String KG to pounds, 1 dm");
    System.out.println("Option5:Quantity to int (cast)");
    System.out.println("Option6:float to string");
    System.out.println("Option7: Char");
    System.out.println("Option8:Char binary");
    System.out.println("Option9:int-char");
    System.out.println("Option10:char-int");
```

```
    }
private static float Option1(int euros) {
    return euros * 1.22f;
    }
```

```
1
Say me your euros and i translate you, to dolars
1
Your euros to dolars are: 1.22
BUILD SUCCESSFUL (total time: 3 minutes 58 seconds)
```

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```
private static double Option2(int meters) {
    return meters * 0.0328084;
    }
```

```
2
Say me your centimeters and i translate you, to feets
1
Your centimeters to feets are:  0.03
BUILD SUCCESSFUL (total time: 8 seconds)
```

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```
private static String Option3(int euros) {
    String dolarStri;
    DecimalFormat df = new DecimalFormat(" 0.000");
    dolarStri = df.format(euros);
    return dolarStri;
```

```
3
Say me your euros
2
  2.000€
BUILD SUCCESSFUL (total time:
```

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```
}
```

```
private static float Option4(String kg) {
    float pound, poundC;
    pound = Float.valueOf(kg).floatValue();
    poundC = (float) (pound * 2.20462);
    return poundC;
  }
```

```
4
Say me your weight in kg
55
Your kg in pounds are 121.2541
BUILD SUCCESSFUL (total time: 4 seconds)
```



```
private static int Option5(float dolares) {
    int euros = Float.valueOf(dolares).intValue();
    return euros;
  }
```

```
5
Say me a float
1.33
 1
BUILD SUCCESSFUL (total time: 3 seconds)
```



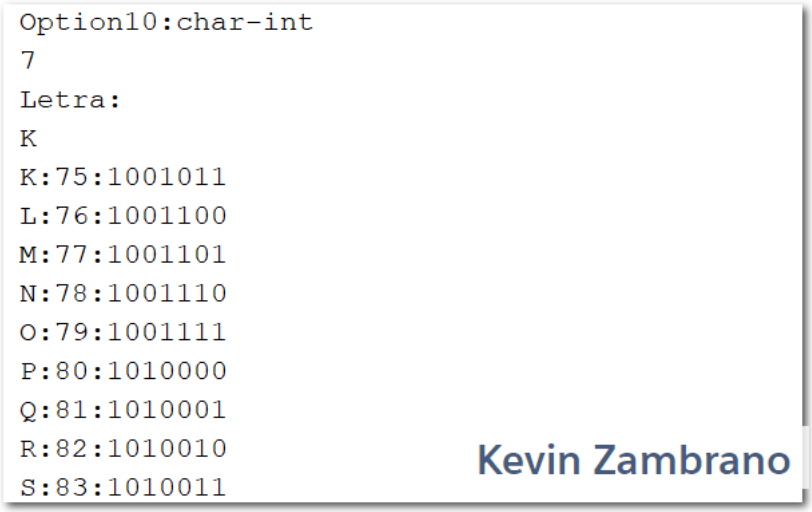
```
private static String Option6(float cant) {
    DecimalFormat df = new DecimalFormat("000.0000");
    float cant2 = cant / 10000;
    String floatenstring = df.format(cant2);
    return floatenstring;
  }
```

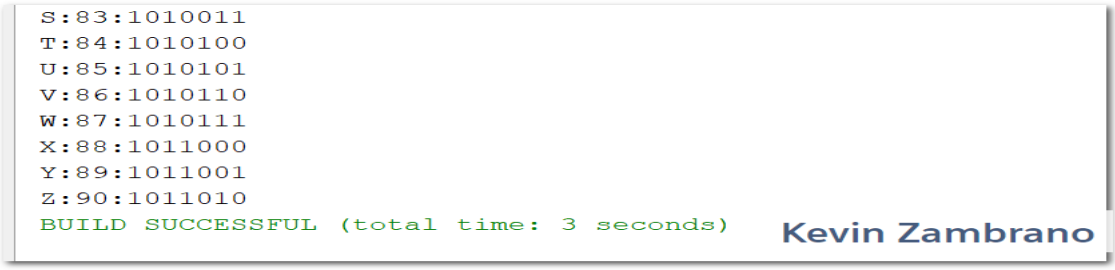
```
6
Say me a xxx
333
000.0333
BUILD SUCCESSFUL (total time: 4 seconds)
```



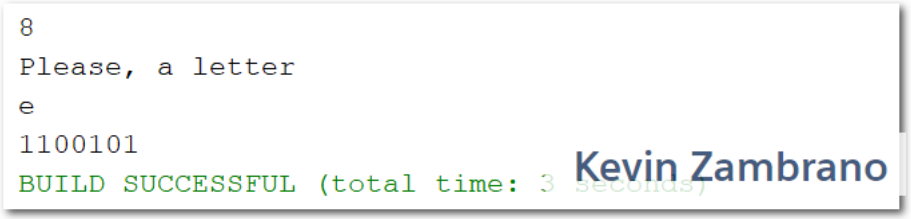
```
private static void Option7() {
```

```
    System.out.println("Letra: ");
    char ch = (keyboard.next()).charAt(0);
    for (char c = ch; c <= 'Z'; c++) {
       System.out.println(c + ":" + (int) c + ":" + Integer.toBinaryString(c));
    }
  }
```



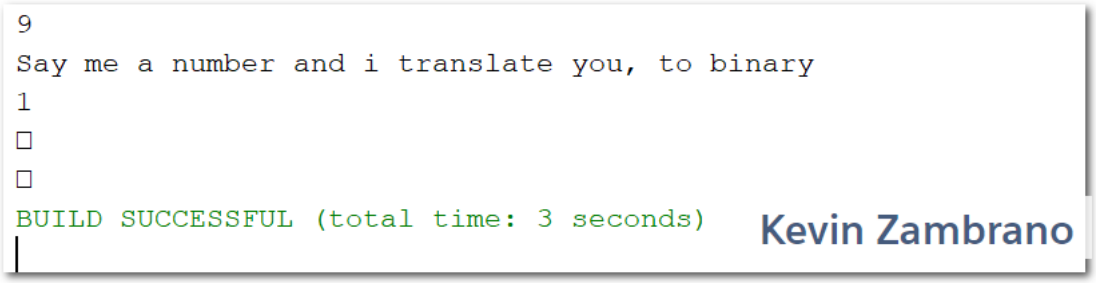



```
private static String Option8(char ch) {
    int i = ch;
    String binstr = Integer.toBinaryString(i);
    System.out.println("" + binstr);
    return binstr;
  }
```



```
private static char Option9(int meters) {
      char c = (char) meters;


      System.out.println("" + c);
      return c;
   }
```




```
private static void Option10() {
      System.out.println("ASCII, is a character code based on the Latin alphabet"
            + ", as used in modern English. It was created in 1963 by the American"
            + " Standards Committee as a recast or evolution of the code sets then "
            + "used in telegraphy. Later, in 1967, lowercase letters were included,"
            + " and some control codes were redefined to form the code known as US-ASCII.");
      System.out.println("Say me a number and i translate you, to ASCII");


      for (int i = 0; i < 255; i++) {
         System.out.println(i + " =" + (char)1+(int)(Math.random()*255)+" ");
         if(i%9==0)
            System.out.println("");
      }
   }
}
```

```
10
ASCII, is a character code based on the Latin alphabet, as used in
Say me a number and i translate you, to ASCII
0 =□192

1 =□146
2 =□186
3 =□102
4 =□127
5 =□106
```

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```
126 =□48

127 =□15
128 =□99
129 =□140
130 =□23
131 =□161
132 =□89
133 =□253
134 =□28
135 =□177
```

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utput - Uf2_conversiones (run)

```
245 =□121
246 =□231
247 =□31
248 =□39
249 =□178
250 =□166
251 =□114
252 =□151

253 =□123
254 =□95
BUILD SUCCESSFUL (total time: 1 second)
```

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