# Problem 1 – Pretty Text Hasher

Write a PHP program that reads a **textfield, holding a text, and several other option fields**, formats the text **according to the options selected** and prints the new text in **HTML format**.

You will read the following data:

* Text
* Hash value
* Font size
* Font style – "normal”, "bold", "italic"

Your task is to modify the text based on the data received. The text modification is as follows:

First, the text is **hashed** by reducing / increasing the ASCII value of each text character by the **hash value**. If the character’s position is **even**, the ASCII value is **increased**, and if it’s **odd** – the value is **decreased**. For example, we are given the following text and a hash value of **1**:

"Warning: Our encryption is unbreakable and you will not be able to decrypt your information!"

After hashing each letter form the text (**W+1=X**, **a-1=`**, **r+1=s**, etc.), the result would be:

"X`smjmh9!Nvq!dobsxqsjno­jr!toasdbjbamd!`oc!xpt!vjkm­onu­cd!`ckf­un!cfbsxqs!xpts­jmgnslbsjno"

The text is then added in an HTML paragraph inside **<p></p>** tags. The font size and style are added as styles to the paragraph as follows:

<p style="font-size:**[fontSize]**;font-style:**[fontStyle]**;font-weight:**bold**;">**[text]**</p>

If the style is **normal** or **italic**, print it with font-style. If it’s **bold**, print it with font-weight. The style **can be only one**.

So if the font size is **30** and the style is **bold**, the output would be:

<p style="font-size:30;font-weight:bold;">X`smjmh9!Nvq!dobsxqsjno­jr!toasdbjbamd!`oc!xpt!vjkm­onu­cd!`ckf­un!cfbsxqs!xpts­jmgnslbsjno </p>

### Input

The input will be read from an **HTTP GET** **request**. The **text** will be received from a **text** **input field with name 'text'**. The **hash value** will be received from a **text** **input field with name 'hashValue'**. The **font-size** will be received from a **text** **input field with name 'fontSize'**. The **style** will be received from an **input field with name 'fontStyle'**.

### Output

The resulting paragraph should be printed as output.

### Constraints

* The **hash value** will be a number in the range [0..10]
* The **font-size** will be a number in the range [1..100]
* The **style** can only be one of the three – **normal**, **italic** or **bold**.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | | **Output** |
| text | Warning: Our encryption is unbreakable and you will not be able to decrypt your information! | <p style="font-size:30;font-weight:bold;">X`smjmh9!Nvq!dobsxqsjno­jr!toasdbjbamd!`oc!xpt!vjkm­onu­cd!`ckf­un!cfbsxqs!xpts­jmgnslbsjno </p> |
| hashValue | 1 |
| fontSize | 30 |
| style | bold |