`href-ul`: LaTeX Package
That Makes Underscored Links[*]

Yegor Bugayenko

`yegor256@gmail.com`

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1   Introduction

This package helps you make your hyperlinks underlined, using `\href` command:

Go to <u>Google</u>!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 Go to
6   \href{https://google.com}{Google}!
7 \end{document}
```

Changing the color of the text also changes the color of the line:

Go to <u>Google</u>!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \usepackage{xcolor}
5 \begin{document}
6 Go to {\color{red}
7   \href{https://google.com}{Google}}!
8 \end{document}
```

Changing the size of the text doesn't change the height of the line:

You can always find anything in <u>Google</u>, but it's better to <u>learn something</u> from a school too!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 You can always find \\ anything in
6 {\Large \href{https://google.com}{Google}},
7 but \\ it's better to learn
8 something \\ from a school too!
9 \end{document}
```

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[*]The sources are in GitHub at <u>yegor256/href-ul</u>

With the help of the `plain` package option, it's possible to avoid underscores:

This link has no underscore: Google.

```
3 \usepackage[plain]{href-ul}
4 \begin{document}
5 This link has no underscore: \\
6 \href{https://google.com}{Google}.
7 \end{document}
```

2   Implementation

First, we process package options:

```
1 \RequirePackage{pgfopts}
2 \pgfkeys{
3   /href/.cd,
4   plain/.store in=\href@plain
5 }
6 \ProcessPgfPackageOptions{/href}
```

Then, we include the `ulem` package in order to enable underscores:

```
7 \makeatletter
8 \ifdefined\href@plain\else
9 \PassOptionsToPackage{normalem}{ulem}
10 \RequirePackage{ulem}
11 \fi
12 \makeatother
```

Then, we include the `hyperref` package for PDF hyperlinks:

```
13 \PassOptionsToPackage{hidelinks}{hyperref}
14 \PassOptionsToPackage{hyphens}{url}
15 \RequirePackage{hyperref}
```

\href Then, we define the \href command:

```
16 \makeatletter%
17 \begingroup%
18 \catcode`\$=6 %
19 \catcode`\#=12 %
20 \gdef\href@split$1#$2#$3\\$4{%
21   \hyper@@link{$1}{$2}{%
22     \ifdefined\href@plain$4\else\uline{$4}\fi}%
23   \endgroup%
24 }%
25 \endgroup%
26 \makeatother%
```

Change History

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