

## Lab 3.1: Create Velocity Macro in XWiki

Objective:

In this lab, you will create a **simple Velocity macro** in XWiki to display information about the **current user** (e.g., username, first name, and email). This is a basic introduction to using **Velocity scripting**, which is a powerful templating language supported in XWiki.

By the end of this lab, you will:

- Understand what Velocity macros are
- Write and insert a basic Velocity script
- Dynamically display user-specific data

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### Step-by-Step Instructions

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## 1. Prerequisites

Ensure the following before you begin:

- You are logged in as a user with **Script rights** (typically an admin)

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## 2. Create a Page for the Macro

 First, let's create a page where we'll place our macro.

1. Click on **Page Index** → choose a space (e.g., Sandbox)
2. Click **Create** → select **Blank Page**
3. Title it something like: `VelocityMacroUserInfo`
4. Click **Create**

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## 3. Insert a Velocity Macro

 Velocity macros allow you to insert logic using `$variables`, `#foreach`, and conditional statements.

### *3.1. Enter Velocity Code*

1. Switch to the **Wiki Editor** (not WYSIWYG)
2. Paste the following Velocity code:

```

velocity

{{velocity}}
#set ($user = $xcontext.user)
#set ($doc = $xwiki.getDocument($user))
#set ($userObj = $doc.getObject("XWiki.XWikiUsers"))

**Hello, $user!**


```

Here is your account information:

```

* **Full Name**: $doc.display("first_name", $userObj)
$doc.display("last_name", $userObj)
* **Email**: $doc.display("email", $userObj)
* **User Page**: [[Click here>>$doc.documentReference]]
{{/velocity}}

```

### 3.2. Save and View

- Click **Save & View**
  - You should see a custom welcome message with your **name**, **email**, and a link to your **profile page**
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## 4. Explanation of Code

Line	Purpose
\$xcontext.user	Gets the current user's ID (e.g., XWiki.Admin)
\$xwiki.getDocument(\$user)	Retrieves the user's document
\$doc.getObject("XWiki.XWikiUsers")	Accesses user profile object
\$doc.display(...)	Outputs profile field values
[[Click here>>...]]	Creates a link to the user page

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### Lab Summary

In this lab, you have:

- Created a page with a **Velocity macro**
- Fetched and displayed **user information dynamically**
- Gained experience with **XWiki's scripting features**