How to add

Math Captcha
In Django
Templates

django-simple-math-captcha is an awesome package let's you to add a math captcha in django template. Let's see how to integrate with django.

1. Install the package

We need to install django-simple-math-captcha package by just hitting this command

```
pip install django-simple-math-captcha
```

2. Add in INSTALLED_APP

Add **simplemathcaptcha** to your **INSTALLED_APPS**.

settings.py

```python
INSTALLED_APPS = [

    'simplemathcaptcha',

]
```

Let's create a Form

Open forms.py file and add this simple
captcha field in your form

```
                                          forms.py
from django import forms
from simplemathcaptcha.fields import MathCaptchaField

class CaptchaTestForm(forms.Form):
    name = forms.CharField()
    captcha = MathCaptchaField()
```

Simply add this
MathCaptchaField

import MathCaptchaField

Pass the form to context

Open views.py file and create a view and pass the form to the context

views.py

```python
from django.shortcuts import render
from .forms import CaptchaTestForm


def index(request):
    if request.method == "POST":
        form = CaptchaTestForm(data=request.POST)
        if form.is_valid():
            # save the record to the database
        else:
            return render(request, "index.html", {"form":form})
    form = CaptchaTestForm()
    return render(request, "index.html", {"form":form})
```

Render the form to the templates

Open index.html file and render the form

index.html

```html
<!DOCTYPE html>
<html lang="en">
<body>
  <div class="container border p-5 text-center mt-5" style="width: 40%;">
    <h3>Submit Form</h3>
    <form action="" method="post" class="mt-3">
        {% csrf_token %}

        {% if form.errors %}
          <div class="alert alert-danger">
              {{ form.errors }}
          </div>
        {% endif %}
        {{form.name.label}} : {{form.name}}
        <br>
        <br>
        {{form.captcha.label}} : {{form.captcha}}
        <div class="d-grid mt-3">
            <button class="btn btn-primary">Submit</button>
        </div>
      </form>
    </div>
</body>
</html>
```
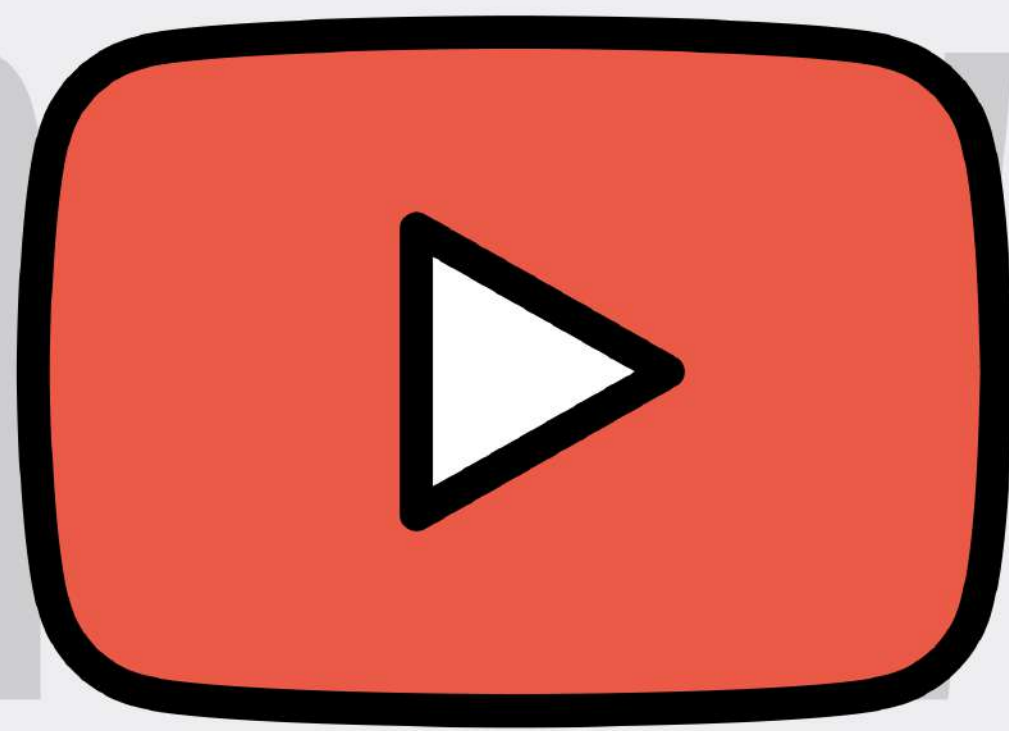
Submit Form

Name :

Captcha : What is 5 - 4?

Submit

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