Date	08/03/2023, 19:43:53
Test	test_add_codeblock
· •	This test creates a PDF with a CodeBlock element in it.

```
import unittest
from datetime import datetime
from pathlib import Path
from borb.io.read.types import Decimal
from borb.pdf import HexColor
from borb.pdf.canvas.layout.page_layout.multi_column_layout import SingleColumnLayout
from borb.pdf.canvas.layout.table.fixed_column_width_table import (
    FixedColumnWidthTable as Table,
)
from borb.pdf.canvas.layout.text.codeblock import CodeBlock
from borb.pdf.canvas.layout.text.paragraph import Paragraph
from borb.pdf.document.document import Document
from borb.pdf.page.page import Page
from borb.pdf.pdf import PDF
from borb.pdf.pdf import DFF
from tests.test_util import check_pdf_using_validator, compare_visually_to_ground_truth
class TestAddCodeblock(unittest.TestCase):
    """
         This test creates a PDF with a CodeBlock element in it.
        def __init__(self, methodName="runTest"):
    super().__init__(methodName)
# find output dir
p: Path = Path(_file__).parent
while "output" not in [x.stem for x in p.iterdir() if x.is_dir()]:
                 while "output" not in [x.stem for x in p.iterdir() if x.is_dir()]
    p = p.parent
p = p / "output"
self.output_dir = Path(p, Path(__file__).stem.replace(*.py*, **))
if not self.output_dir.exists():
    self.output_dir.mkdir()
         def test_write_document(self):
                  # create document
pdf = Document()
                   # add page
                  page = Page(
                  pdf.add_page(page)
                  # layout
layout = SingleColumnLayout(page)
                   # add test information
                  layout.add(
                          Table(number_of_columns=2, number_of_rows=3)
.add(Paragraph("Date", font="Helvetica-Bold"))
                              .add(
                                    Paragraph(
datetime.now().strftime(*%d/%m/%Y, %H:%M:%S*),
font_color=HexColor(*00ff00*),
                           )
.add(Paragraph("Test", font="Helvetica-Bold"))
.add(Paragraph(Path(_file__).stem))
.add(Paragraph("Description", font="Helvetica-Bold"))
.add(Paragraph("This test creates a PDF with a CodeBlock element in it."))
.set_padding_on_all_cells(Decimal(2), Decimal(2), Decimal(2))
                  # read self
                  with open(__file__, "r") as self_file_handle:
    file_contents = self_file_handle.read()
                  layout.add(
CodeBlock(
                               file_contents,
font_size=Decimal(5),
                  # determine output location
out_file = self.output_dir / "output.pdf"
                  # attempt to store PDF
with open(out_file, "wb") as in_file_handle:
    PDF.dumps(in_file_handle, pdf)
                  # check
check_pdf_using_validator(out_file)
compare_visually_to_ground_truth(out_file)
```