

"""

LayoutLMDocumentQA is a multimodal good for
visual question answering on real world docs lik invoice, pdfs, etc

"""

```
from transformers import pipeline
```

```
from swarm_models.base_multimodal_model import BaseMultiModalModel
```

```
class LayoutLMDocumentQA(BaseMultiModalModel):
```

```
    """
```

```
    LayoutLMDocumentQA for document question answering:
```

```
    Args:
```

```
        model_name (str, optional): [description]. Defaults to "impira/layoutlm-document-qa".
```

```
        task (str, optional): [description]. Defaults to "document-question-answering".
```

```
    Usage:
```

```
>>> from swarm_models import LayoutLMDocumentQA
```

```
>>> model = LayoutLMDocumentQA()
```

```
>>> out = model("What is the total amount?", "path/to/img.png")
```

```
>>> print(out)
```

```
    """
```

```

def __init__(
    self,
    model_name: str = "impira/layoutlm-document-qa",
    task_type: str = "document-question-answering",
    *args,
    **kwargs,
):
    super().__init__(*args, **kwargs)

    self.model_name = model_name

    self.task_type = task_type

    self.pipeline = pipeline(task_type, model=model_name)

def __call__(self, task: str, img_path: str, *args, **kwargs):

```

"""Call the LayoutLMDocumentQA model

Args:

task (str): _description_

img_path (str): _description_

Returns:

type: _description_

"""

out = self.pipeline(img_path, task)

out = str(out)

return out