# msaSDK Module

## `.utils.doc_code_ref`

Generate the code reference pages and navigation.

## Functions

### format_pip_result

```
format_pip_result(pip_result, version)
```

### generate_code_reference_documentation

```
generate_code_reference_documentation(
    virtual_ref_nav_path: str = "reference",
    ref_md_file: str = "SUMMARY.md",
    virtual_requirements_nav_path: str = "requirements",
    req_md_file: str = "requirements.md",
    source_path: str = "msaSDK",
    source_file_type_filter: str = "*.py",
    requirement_file: str = "requirements.txt",
    md_file_type: str = ".md",
    recreate_pip_info: bool = False,
    exclude_functions: List[str] = [
        "__init__",
        "__main__",
        "main",
        "run",
    ],
    pkl_info_file: str = "docs/saved_req_package_pip_info.pkl",
)
```

> Generates the virtual mkdocs md files and adds them to the navigation.
>
> Scans the requirement file and gets pip show info for each package and stores it to a pickle file.

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