

Pensieve header: Make the snip files in Snips/.

```
(Alt) In[ ]:= MakeSnips ["Engine-Speedy"]
MakeSnips ["Objects"]
MakeSnips ["Examples"]
```

```
(Alt) Out[ ]:= {Snips/Engine-Speedy/Program-1.pdf,
  Snips/Engine-Speedy/Program-2.pdf, Snips/Engine-Speedy/Program-3.pdf,
  Snips/Engine-Speedy/Program-4.pdf, Snips/Engine-Speedy/Program-5.pdf,
  Snips/Engine-Speedy/Program-6.pdf, Snips/Engine-Speedy/Program-7.pdf,
  Snips/Engine-Speedy/Program-8.pdf, Snips/Engine-Speedy/Program-9.pdf,
  Snips/Engine-Speedy/Program-10.pdf, Snips/Engine-Speedy/Program-11.pdf,
  Snips/Engine-Speedy/Program-12.pdf, Snips/Engine-Speedy/Program-13.pdf,
  Snips/Engine-Speedy/Program-14.pdf, Snips/Engine-Speedy/Program-15.pdf,
  Snips/Engine-Speedy/Program-16.pdf, Snips/Engine-Speedy/Program-17.pdf,
  Snips/Engine-Speedy/Program-18.pdf, Snips/Engine-Speedy/Program-19.pdf,
  Snips/Engine-Speedy/Program-20.pdf, Snips/Engine-Speedy/Program-21.pdf,
  Snips/Engine-Speedy/Program-22.pdf, Snips/Engine-Speedy/Program-23.pdf,
  Snips/Engine-Speedy/Program-24.pdf, Snips/Engine-Speedy/Program-25.pdf,
  Snips/Engine-Speedy/Program-26.pdf, Snips/Engine-Speedy/Program-27.pdf}
```

```
(Alt) Out[ ]:= {Snips/Objects/Program-1.pdf, Snips/Objects/Program-2.pdf,
  Snips/Objects/Program-3.pdf, Snips/Objects/Program-4.pdf, Snips/Objects/Program-5.pdf,
  Snips/Objects/Program-6.pdf, Snips/Objects/Program-7.pdf, Snips/Objects/Program-8.pdf,
  Snips/Objects/Program-9.pdf, Snips/Objects/Program-10.pdf,
  Snips/Objects/Program-11.pdf, Snips/Objects/Program-12.pdf,
  Snips/Objects/Program-13.pdf, Snips/Objects/Program-14.pdf,
  Snips/Objects/Program-15.pdf, Snips/Objects/Program-16.pdf,
  Snips/Objects/Program-17.pdf, Snips/Objects/Program-18.pdf,
  Snips/Objects/Program-19.pdf, Snips/Objects/Program-20.pdf}
```

```
(Alt) Out[ ]:= {Snips\Examples\rho-1.pdf, Snips\Examples\rho-2.pdf,
  Snips\Examples\rho-3.pdf, Snips\Examples\rho-4.pdf, Snips\Examples\rho-5.pdf,
  Snips\Examples\rho-6.pdf, Snips\Examples\Trefoil-1.pdf,
  Snips\Examples\Trefoil-2.pdf, Snips\Examples\Trefoil-3.pdf,
  Snips\Examples\Integrals-1.pdf, Snips\Examples\Integrals-2.pdf}
```

Prolog

```
(Alt) In[ ]:= SetDirectory ["C:\\drorbn\\AcademicPensieve\\Talks\\DaNang-1905"];
Get ["/../Talks/Matemale-1804/CellExport.m"];
BeginPackage ["Snips`", {"CellExport`"}];
MakeSnips;
Begin ["`private`"];
SetOptions[$FrontEndSession, PrintingStyleEnvironment -> "Working"];
```

“WinSort” from <https://mathematica.stackexchange.com/questions/10619/sort-strings-by-natural-ordering>:

```
(Alt) In[ ]:= WinSort [names_List] := names[[Ordering[Characters[names]]]];
```

Snips

(Alt) In[]:=

```

MakeSnips[nb_] := (
  If[FileType["Snips/" <> nb] === None, CreateDirectory["Snips/" <> nb]];
  If[FileType["Snips/" <> nb <> "/Verification.txt"] === None ∨
    AbsoluteTime@FileDate["Snips/" <> nb <> "/Verification.txt"] <
    AbsoluteTime@FileDate[nb <> ".nb"],
  If[Head[$FrontEnd] === FrontEndObject,
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True,
      PageWidth → 7.12, ExportOptions → {ImageSize → Scaled[0.75]}],
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True, PageWidth → 7.12]
  ];
  SourceNotebook = NotebookGet@NotebookOpen[Directory[] <> "/" <> nb <> ".nb"];
  DialogTags = {};
  tags = Cases[SourceNotebook, (CellTags → tag_) ⇒ tag, Infinity] // Union;
  files = Reap[Flatten[Table[
    Which[
      tag == "817",
      { (* this is only left here as a demo for how to make an exception *)
        Sow@CellExport[SourceNotebook, "817", {CellFilter → First,
          ExportBaseFilename → "Snips/" <> nb <> "/817-In"}],
        Sow@CellExport[SourceNotebook, "817", {CellFilter → Rest,
          ExportBaseFilename → "Snips/" <> nb <> "/817-Out",
          PageWidth → 5.5 * 0.24 / 0.16}]}
    ],
    MemberQ[DialogTags, tag], {
      Sow@CellExport[SourceNotebook, tag, {CellFilter → First,
        ExportBaseFilename → "Snips/" <> nb <> "/" <> tag <> "-In"}],
      Sow@CellExport[SourceNotebook, tag, {CellFilter → Rest,
        ExportBaseFilename → "Snips/" <> nb <> "/" <> tag <> "-Out"}]
    },
    True, Sow@CellExport[SourceNotebook,
      tag, ExportBaseFilename → "Snips/" <> nb <> "/" <> tag]
  ],
  {tag, tags}]]];
  PutAppend[DateString[], "Snips/" <> nb <> "/Verification.txt"];
  files = Flatten[files];
  DeleteFile /@ Complement[
    StringReplace["\\" → "/"] /@ FileNames["Snips/" <> nb <> "/*.pdf"], files];
  WinSort@Union[files],
  (*Else*)
  WinSort@FileNames["Snips/" <> nb <> "/*.pdf"]
]
)

```

Epilog

(Alt) In[]:=

```
End[]; EndPackage[];
```