

# Haskell Overview V (5A)

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# Based on

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Haskell Tutorial, Medak & Navratil

<ftp://ftp.geoinfo.tuwien.ac.at/navratil/HaskellTutorial.pdf>

Yet Another Haskell Tutorial, Daume

<https://www.umiacs.umd.edu/~hal/docs/daume02yaht.pdf>

# Modules

---

```
-- filename : Test.hs  
-- date :
```

```
module Test where  
data Person = Pers String Int
```

```
-- etc  
-- end of file
```

One module per one file

The same names to file and modules

# Importing Modules

---

```
module Test1 where  
import List  
xs = [2, 1, 4, 3, 5]  
ys = sort xs  
-- end of file
```

**Function** sort

**Defined** \hugs\Lib>List.hs

# Projects

---

```
module Test2 where  
import P01  
import P02  
import P03  
-- end of import
```

```
module P01 where  
-- etc.
```

```
module P02 where  
-- etc.
```

```
module P03 where  
-- etc.
```

# Modules

```
module P01 where
class Persons p where
  getName :: p -> String
  getAge  :: p -> Int
data Person = Pers String Int
instance Persons Person where
  getName (Pers n a) = n
  getAge  (Pers n a) = a
-- end of P01
```

```
module P02 where
import P01
class Persons s => Students s where
  getID :: s -> Int
data Student = Stud String Int Int
instance Persons Student where
  getName (Stud n a i) = n
  getAge  (Stud n a i) = a
instance Students Student where
  getID (Stud n a i) = i
-- end of P02
```





# Modules

---

```
module Project where  
import P01  
import P02  
-- end of Project
```