

Introduction to computing and data handling 2023

1st class basic exercises 28Aug23

Which version of python are you using?

```
>>> print('hello world')
```

Different types of variables

```
>>>a=10.2
```

```
>>>type(a)
```

```
>>>b=5
```

```
>>>type(b)
```

```
>>>c1='class'
```

```
>>>type(c1)
```

```
>>>g1=[1,2,s2]
```

```
>>>type(g1)
```

Make a new list g2 which has class as the 3rd element.

```
>>>t1=(5,3)
```

```
>>>type(t1) #what is this?
```

A comment can start with #

Can you mix variables in tuple?

Q: What is the difference between tuple and list?

Find help

```
>>>help(str)
```

```
>>>dir(c1)
```

Try

```
>>>help()
```

Both help (returns modules, keywords, and attributes) and dir (returns attributes of the object) are built-in functions in python.

Does,

```
>>>class='this is an introductory lecture'
```

work? If not why?

What are the keywords in python3?

Round off error

```
>>>0.1+0.1+0.1-0.3
```

Exercise

If you run a 10 km race in 43 minutes 30 seconds what is your average speed in km/hr?

What is your average time per kilometer?

Basic string operations

```
>>>first='angry'
```

```
>>>second='bird'
```

```
>>>first+second
```

How to get 'angry bird'?