Variables:

Variables are containers for storing data values.

Creating variables:

Python has no command for declaring a variable. A variable is created the moment you first assign a value to it.

Syntax:

X=5

Y = “santosh”

print(x)

print(y)

Variables do not need to be declared with any particular type, and can even change type after they have been set.

Syntax:

X=4

X=”Sally”

Print(x)

Casting:

If you want to specify the data type of a variable, this can be done with casting.

Syntax:

X=str(3) # x will be ‘3’

y=int(3) # y will be 3

z=float(3) # z will be 3.0

Get the type:

You can get the data type of a variable with the type() function.

Syntax:

X=5

Y=”john”

Print(type(x))

Print(type(y))

Single or Double Quotes:

String variables can be declared either by using single or double quotes:

Syntax:

X= ‘ santosh’

# is the same as

X = “santosh”

Case – sensitive

Variable names are case – sensitive.

Syntax:

a=4

A=”Santosh”