



```
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```

## Text Value

'Hello World'

'Semester 1'

'Teknik Informatika'

'Algoritma Pemrograman'



String

```
In [5]: type('algoritma Pemrograman')
Out[5]: str

In [6]: type('B')
Out[6]: str
```

```
In [7]: type(5)
Out[7]: int
In [8]: type('5')
Out[8]: str
```

## Variable





- ★ A name that refers to a value
- ★ A value is given to variable using assignment operator

```
>> variable = value
Algoritma Pemrograman, Data Type, Variable =-----
```

```
In [9]: a=5
In [10]: print(a)
5
Algoritma Pemrogra
```

## Variable Names

- ★ Variable represents its value, it must be meaningful
- ★ Consists of character, characters, combination characters and numbers
- ★ Number are not allowed as the first character of a variable
- ★ Case sensitive

```
In [20]: a=5
In [21]: A='surabaya'
In [22]: print(a)
5
In [23]: print(A)
surabaya
```

```
In [24]: a@=5
Traceback (most recent call last):
    File "<ipython-input-24-f296ebf4deeb>", line 1, in <module>
        a@=5

TypeError: unsupported operand type(s) for @=: 'int' and 'int'
```

★ Illegal character and Python Keywords are not allowed

```
False class for as elif ...

None continue finally assert else ...

True def form ... ...

and del is
```