

```
In [2]: # Ex 1: Integer Variable
age = 25
print(age)
```

25

```
In [3]: # Ex 2: String Variable
name = "Alice"
print(name)
```

Alice

```
In [4]: # Ex 3: Float Variable
price = 19.99
print(price)
```

19.99

```
In [5]: # Ex 4: Boolean Variable
is_active = True
print(is_active)
```

True

### 1.Storing and Printing a Value

```
In [6]: # Storing the value 10 in a variable called 'x'
x = 10
#Printing the value of 'x'
print(x)
```

10

### 2.Using Variables in Expressions

```
In [7]: # Assigning values to variables
a = 5
b = 3
# Adding two variables and storing the result in 'result'
result = a + b
# Printing the result
print(result)
```

8

### 3.Changing the Value of a Variable

```
In [8]: # Initial value
score = 50
print(score)

# Changing the value of 'score'
score = 100
print(score)
```

50  
100

#### 4.Concatenating Strings

```
In [9]: # Assigning values to variables
first_name = "John"
last_name = "Doe"

# Concatenating strings and storing in a new variable
full_name = first_name + " " + last_name
print(full_name)
```

John Doe

#### 5. Using Variables in a Calculation

```
In [10]: # Assigning values to variables
length = 10
width = 5

# Calculating the area of a rectangle
area = length * width
print(area)
```

50

Reassigning Values to Variables Python allows you to reassign a variable to a new value at any time.

```
In [11]: x = 10
print(x)

#Reassigning the value of x
x = 20
print(x)
```

10  
20

In [ ]: