

```
In [1]: fruits = ["apple", "banana", "cherry"]
x, y, z = fruits

print(x)
print(y)
print(z)

x = "Python"
y = "is"
z = "awesome"
print(x, y, z)

#Create a variable inside a function, with the same name as the global variable
x = "awesome"

def myfunc():
    x = "fantastic"
    print("Python is " + x)

myfunc()

print("Python is " + x)

apple
banana
cherry
Python is awesome
Python is fantastic
Python is awesome
```

```
In [10]: msg= "Hello Bangladesh"
#print(len(msg))           # lenth ber korar jonno

16
```

```
In [ ]: greeting= "wellcome bangladesh"
```

```
In [3]: msg = "Hello World"
print(msg.upper())
print(msg.lower())
print(msg.title())

HELLO WORLD
hello world
Hello World
```

```
In [14]: print(msg.replace("World", "Bangladesh"))

Hello Bangladesh
```

```
In [4]: greeting= "Assalamualaikum"
name= input("What is your name ? ")
#msg='{},{}, Wellcome'.format(greeting, name)    # {}= place holder
#print(msg)
Msg ='{},{}, Wellcome.!.format(greeting.upper(), name.upper())
print(Msg)
#msg= '{},{},. wellcome'.format()
#print(msg)

What is your name ? Afnan Hossain
ASSALAMUALAIKUM, AFNAN HOSSAIN, Wellcome.!
```

ControlFlow(if,elif,and Else Statement)

```
In [7]: temp= 40
if temp > 35:
    print("It's hot out there ")
    print("do not go out ")
else:
    print("It's normal out there ")

It's hot out there
do not go out
```

```
In [9]: temp=20
if temp > 35:
    print("It's hot out there ")
    print("do not go out ")
else:
    print("It's normal out there ")

It's normal out there
```

```
In [11]: temp=60
if temp > 35:
    print("It's hot out there ")
    print("do not go out ")
else:
    print("It's normal out there ")
print("Task Complete ")

It's hot out there
do not go out
Task Complete
```

```
In [19]: age=35
if age>20:
    print("Applicant is Eligable for Loan")
else:
    print("Applicant is Not Eligable for Loan")

Applicant is Eligable for Loan
```

```
In [20]: age=18
if age>20:
    print("Applicant is Eligable for Loan")
else:
    print("Applicant is Not Eligable for Loan")

Applicant is Not Eligable for Loan
```

```
In [21]: age=25
if age> 20:
    print("Eligable")
else:
    print("Not Eligable")

Eligable
```

```
In [24]: age=18
msg="Eligable" if age>20 else "Not Eligable "
print(msg)

Not Eligable
```

```
In [27]: high_income=True
good_credit= True
student= False
if(high_income or good_credit ) or student:
    print("Eligable")
else:
    print("Not Eligable")

Eligable
```

```
In [28]: high_income=True
good_credit= True
student= False
if(high_income or good_credit ) and student:
    print("Eligable")
else:
    print("Not Eligable")

Not Eligable
```

```
In [29]: high_income=True
good_credit= True
student= False
if(high_income or good_credit ) and not student:
    print("Eligable")
else:
    print("Not Eligable")

Eligable
```

```
In [32]: age= 66
if 20<=age<65:
    print("Eligable")
elif age==10:
    print("He is a Student ")
else:
    print("Not Eligable")

Not Eligable
```

```
In [1]: age= 30
if 20<=age<65 and age!=33:
    print("Eligable")
elif age==10:
    print("He is a Student ")
else:
    print("Not Eligable")

Eligable
```

```
In [1]: True and False

Out[1]: False
```

```
In [2]: True or False

Out[2]: True
```