

Conditional blocks using if, else and elif.

Week-4 , Lecture-1


Recap

- Installation of Anaconda.
- Learned about Spyder the *Python* Development Environment.
- Basic Syntax, Variable and Data Types.
- Operators.

- Program is a set of instructions.
- Program can be executed:
 - Sequentially: where each instructions are executed one after the another.
 - or
 - We may also alter the sequence of execution of the instructions.

Sequential
Instruction 1
Instruction 2

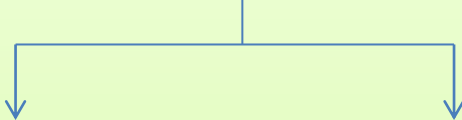
Instruction n



Decision Control

Instruction 1

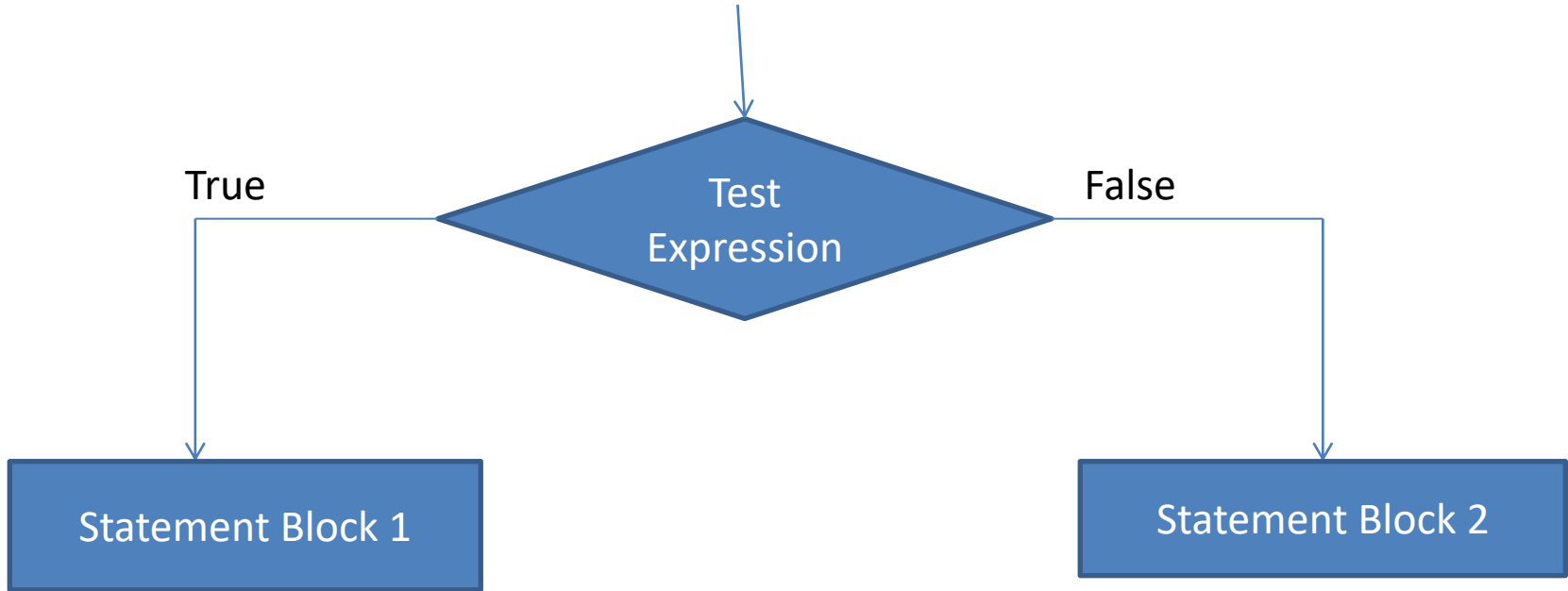
Test condition



True False

- Thus the decision control statements also known as the *conditional branching statements* allows the programmer to jump from one part of the program to another depending upon a condition.

- The conditional branching statement supported by Python are as follows:
 - if statement
 - if-else statement
 - Nested if statement
 - if-elif-else statement



Write a program to determine whether a person is eligible to drive.

```
age=int(input("Enter the age : "))  
if (age>=18):  
    print("You are eligible to drive")
```


if-else example

```
age=int(input("Enter the age : "))
```

```
if (age>=18):
```

```
    print("You are eligible to drive")
```

```
else:
```

```
    print("You are not eligible to drive")
```

Program to find Largest of two numbers.

```
f_num=int(input("Enter the first number : "))  
s_num=int(input("Enter the second number : "))  
if(f_num>s_num):  
    large = f_num  
else:  
    large=s_num  
print ("Largest is : ",large)
```

elif example

```
marks=int(input("Enter the marks : "))  
if (marks>=85 and marks<=100):  
    print("Distinction")  
elif (marks>=75 and marks<=84):  
    print("A+ Grade")  
elif (marks>=65 and marks<=74):  
    print("A Grade")  
elif (marks>=55 and marks<=64):  
    print("B+ Grade")  
else:  
    print("Enter a correct marks")
```

Try yourself:

- Write a Python program to determine whether a person is eligible to vote or not.



Thank
You