

# Full stack web development using python

## match



Saurabh Shukla (MySirG)

# Agenda

- ① match statement
- ② match example
- ③ case constants
- ④ default matching
- ⑤ Soft keywords
- ⑥ Duplicate case
- ⑦ Conditional casing

match subject\_expression:

case constant:

====

case constant:

====

case constant:

====

case constant:

====

break keyword cannot be used in  
match block

## Example

```
x = int(input("Enter a number"))

match x:
    case 1:
        print("One")
    case 2:
        print("Two")
    case 3:
        print("Three")
    case 4:
        print("Four")
```

case constant can be of any type.

```
x = eval(input("Enter a number"))
```

```
match x:
```

```
    case 1.1:
```

```
        print("One")
```

```
    case "two":
```

```
        print("Two")
```

```
    case True:
```

```
        print("Three")
```

```
    case 3+4j:
```

```
        print("Four")
```

## default matching

```
x = int(input("Enter a number"))
```

```
match x:
```

```
    case 1:
```

```
        print("One")
```

```
    case 2:
```

```
        print("Two")
```

```
    case 3:
```

```
        print("Three")
```

```
    case 4:
```

```
        print("Four")
```

```
    case _:
```

```
        print("default")
```

## match

- match and case are soft keywords
- They are not reserved words in other grammatical contexts
- They are recognized as keywords when part of a match statement or case block only, and are allowed to be used in all other contexts as variables or argument names.

## duplicate case

duplicate case is not an error but  
first match will only work.

## Conditional Casing

match expression:

case data if condition:

\_\_\_\_\_

case data if condition:

=====

.....