

Full stack web development using python

match



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Agenda

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧

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.