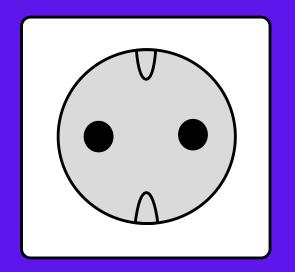
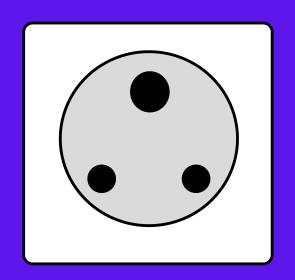
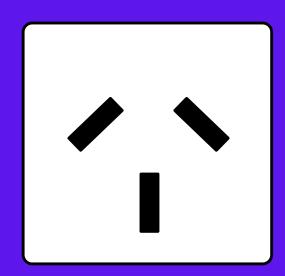
## What a polymorphism?

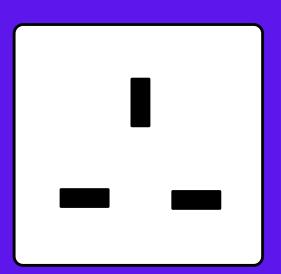
Polymorphism in programming refers to the ability of a particular object to behave differently depending on its actual type.

#### **Without Polymorphism**

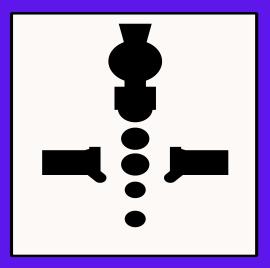






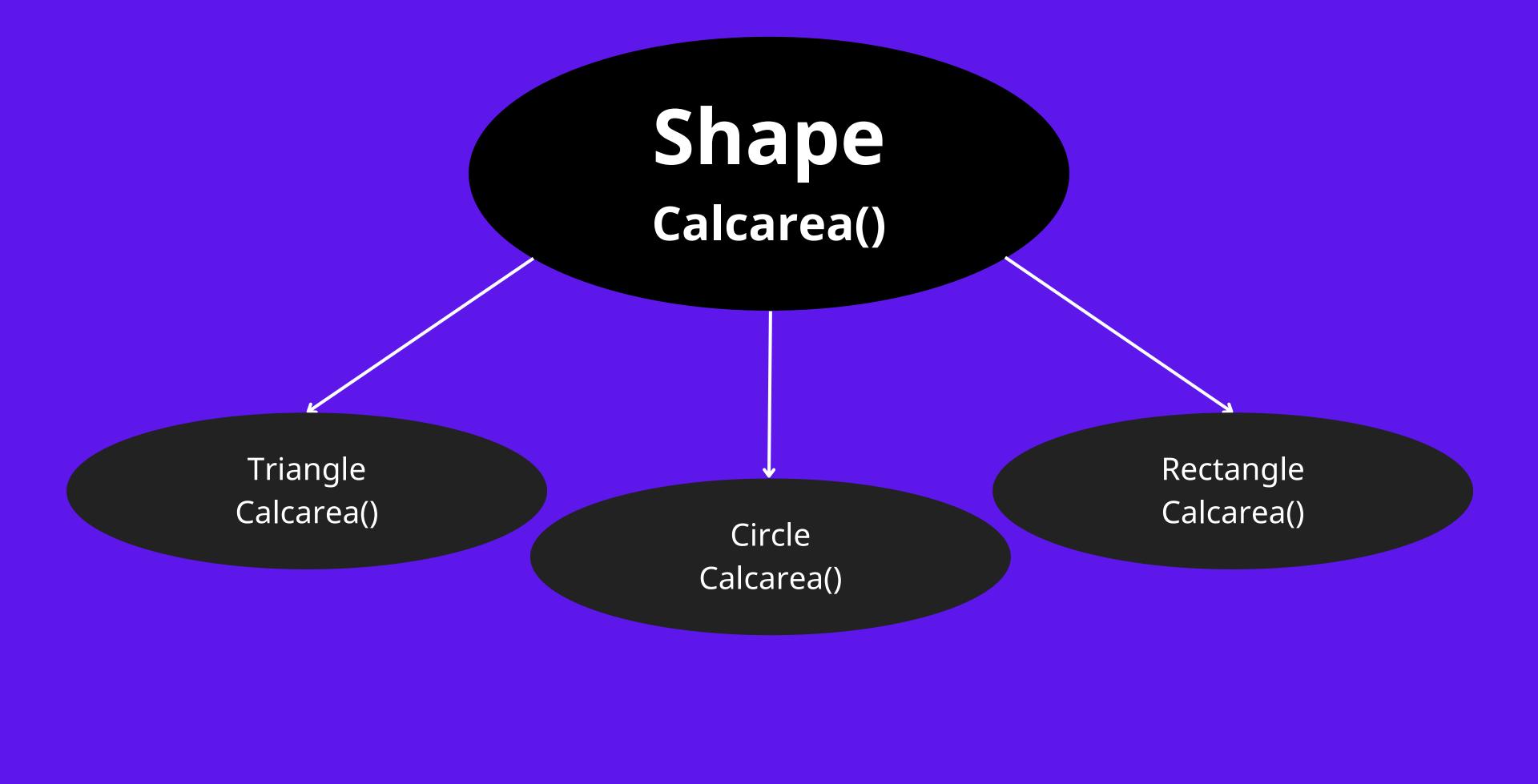


#### With Polymorphism



## Why a polymorphism?

Polymorphism in programming allows objects to behave differently based on their actual type, aiming to enhance code reusability, flexibility, scalability, and simplicity.



What is type of polymorphism?

Run time (focus)

Overriding

Compile time

Overloading

## Overriding

```
virtual void Add(int a,int b){
     content
   }
```

```
void Add(int a,int b) override{
    content//
}
```

# Overloading

```
void Add(int a,int b){
    content
}
```

```
void Add(float a,float b){
    content
}
```

How access polymorphism?