CYDEO

Custom Class: Constructors

Constructor

- A special method that every class must have.
- It's used when we create objects of a class.
- We can use constructors to initialize the object's instance variables.
- Execution of a constructor always depends on the object.



Creating Constructors

 Constructor is a special method that matches the name of the class and has no return type nor a specifier.

```
public class Car{
   public Car(){
   }
}
```

```
public class Employee{
   public Employee(int age){
   }
}
```



Types of Constructors: No-Argument

- A constructor that has no parameter.
- Also known as default constructor.
- If we do not define constructor is a class, then compiler creates default constructor

```
public class Car{
   public Car(){
   }
}
```



Types of Constructors: Parameterized

- A constructor that has parameters.
- If we want to initialize the fields (instance variables) of the class with our own values,
 then we pass parameters to the constructor

```
public class Employee{
   public Employee(int age){
   }
}
```



Constructor Overloading

We can have multiple constructors in a class by implementing method overloading

