

Method Overloading

- If a class has multiple methods having same name but different in parameters, It is known as Method Overloading.
- Method overloading is also known as Compile-time polymorphism, static Polymorphism, or early binding in Java.

Two ways to perform Method Overloading :-

(i) Overloading by changing the number of parameters.

(ii) Overloading by changing the data type of parameters.

(i) Method Overloading by changing the number of parameters :-

Class Overloading

ε

_ / _ / _

```
void display (int a)
{
    System.out.println (a);
}
```

```
void display (int a, int b)
{
    System.out.println (a+b);
}
```

```
public static void main (String args [])
{
    Overload obj = new Overload ();
    obj.display (1);
    obj.display (1, 4);
}
```

Output:

1
5

(ii) Method Overloading by changing the data type of parameters.

```
class MethodOverloading
{
```


//_

```
void display (int a)
{
    System.out.println ("Integer data", +a);
}
```

```
void display (String a)
{
    System.out.println ("String object", +a);
}
```

```
public static void main (String args [])
```

```
MethodOverloading obj = new MethodOverloading
    ();
```

```
obj.display (1);
obj.display ("jnotes");
```

```
}
```

```
}
```