

Function overloading

Unit-1

Q) What is fun overloading?
Why is it done?

A • F O/L^g means creating mul fun with same name.

• Rule:- each fun must have same name but diff number/type of parameters.

• fun o/l is done because it is convenient to use the same name for different types of fun that work in same manner.

• for eg:- fun to add 2 var, 3 var or 4 var.
All can have same name.

eg o/l^g the set fun in box class.

class box {

private int l, w, h;

public void set(int x) {

l = x;

w = ~~x~~;

h = ~~x~~;

}

// set fun with 1 param.

```

public void getset (int x, int y, int z) {
    // set with 3 param.

```

```

        x = x;
        w = y;
        h = z;
    }

```

```

public void get () {
    System.out.println (x);
    " " " " (y);
    " " " " (h);
}

```

```

} // box ends.

```

```

C D { P S V M (---) }

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```

-> class demo {
    public static void main (String args[]) {

```

```

        box obj1 = new box ();
        obj1.set (10); // set with 1 param
                        called.

```

```

        box obj2 = new box ();
        obj2.set (5, 7); // set with 2 param
                        called.

```

```

    }

```

```

}

```