Q.7 ) Can you overload a method with same return type.? Explain your answer with proper logic.

Answer:

It is not possible to overload a function based on same return type, because in OOP function overloading depends upon number of argument and type of argument. so we can't overload method based on return type.

if you try to execute following code it will generate error because we are trying to overload the function based on return type and which is not valid in OOP.

**public** **class** acad {

**public** **int** **void** Sum(**int** x,**int** y)

{

System.***out***.println("Addition " );

**return** (x+y;

}

**public** **static** **void** Sum(**double** x,**double** y)

{

System.***out***.println("Addition " + (x+y));

}

**public** **static** **void** main (String ar[])

{

Sum (10,20);

*Sum*(23.34,30.10);

}

}