1.

**public** **class** Rectangle {

**private** **int** len;

**private** **int** bred;

**public** **int** getLen() {

**return** len;

}

**public** **void** setLen(**int** len) {

**this**.len = len;

}

**public** **int** getBred() {

**return** bred;

}

**public** **void** setBred(**int** bred) {

**this**.bred = bred;

}

**public** Rectangle(**int** len, **int** bred){

System.***out***.println("Constructor called");

//this.len = 30;

**this**.bred = 200;

}

**private** **void** arearectangle() {

System.***out***.println(len\*bred);

}

**public** **void** rectangelarea() {

arearectangle();

}

}

**public** **class** Driver {

**public** **static** **void** main(String args[]) {

Rectangle r1 = **new** Rectangle(10,20);

Rectangle r2 = r1;

r1.setLen(130);

**if**(r1==r2) {

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

}**else** {

System.***out***.println("Not Equal");

}

r1.rectangelarea();

r2.rectangelarea();

}

}

OUTPUT-

Constructor called

Equal

26000

26000

2. a )

String str1 = "Manish";

String str = new String("Manish");

if(str1 == str){

sysout("Strings are same");

}else{

sysout("Strings are not same");

}

Output –

Strings are not same

b.)

String s = **new** String("Test").intern();

String s1 = **new** String("Test");

**if**(s == s1){

System.***out***.println("We are equal");

}**else**{

System.***out***.println("we are not equal");

}

OUTPUT-

we are not equal

c.)

String s1 = "Test";

String s2 = **new** String("Test");

**if**(s1.equals(s2))

{

System.***out***.println("Strings are equal");

}**else**{

System.***out***.println("Strings are not equal");

}

OUTPUT –

Strings are equal