1. Write the java statement that assigns 1 to x if y is greater than 0.

int y = 1;  
 if (y > 0)  
 {  
 int x = 1;  
 System.*out*.println(x);  
 }  
  
  
 }  
}

1. Write a java statement that prints true if x is an odd number and positive.

int x = 9;  
 if (x > 0 && x % 2 == 1) {  
 System.*out*.println(x + " is odd and positive");  
 } else if (x > 0 && x % 2 ==0) {  
 System.*out*.println(x + " is even and positive ");  
 } else {  
 System.*out*.println(x + " is either 0 or negative");  
 }  
 }  
}

1. White conditional statement using **OR** logical operator to check if only one condition is true.

If the condition is true - Print “ YES” or if the condition is not true print “NO”.

int x = 10;  
if (x < 5 || x >=8) {  
 System.*out*.println("YES");  
} else {  
 System.*out*.println("NO");  
}

1. Declare variable of type double. Write the java statement which increases variable value by 5 marks if value is between 80 and 90.

If the value is less then 80 increase the value by 3 marks.

If both statements are not true than set printed output to be “The variable value isn’t changed”.

Make output of **first** condition to be true and print the result.

double number = 84;  
 if (number > 80 && number < 90) {  
 System.*out*.println("Increase value by 5 marks " + " " + (number+=5));  
 }  
 else if (number < 80 ) {  
 System.*out*.println("Increase value by 3 marks" + " " + (number+=3));  
 }  
 else {  
 System.*out*.println("The variable value isn't changed");  
 }  
  
 }  
}

OR

double number = 84;  
 String message = "";  
 if (number > 80 && number < 90) {  
 number+=5;  
 message = "Increase value by 5 marks " + number;  
 }  
 else if (number < 80 ) {  
 number+=3;  
 message = "Increase value by 3 marks " + number;  
 }  
 else {  
 message = "The variable value isn't changed";  
 }  
 System.*out*.println(message);  
}

1. Fill the missing code to print second condition output: (“Value of num2 is equal to " + num2 “)

int num1 = 2;  
int num2 = 2;  
if (num2 > num1) {  
 System.*out*.println("Value of num1 is less then" + num1);  
} else if (num2 == num2) {  
 System.*out*.println("Value of num2 is equal to " + num2);  
} else {  
 System.*out*.println("Non of the statement above is correct");  
}

or

int num1 = 2;  
int num2 = 2;  
if (num1 < num2)  
{ System.*out*.println("Value of num1 is less then num2: " + num1);  
} else if (num1 == num2) {  
 System.*out*.println("Value of num2 is equal to num1: " + num2 );  
} else {  
 System.*out*.println("Non of the statement above is correct");  
}

6. Display the name of the month by rewriting this code in **switch** statement.

int month = 9;

String monthString = null;

{

if (month == 1) {

monthString = "January";

} else if (month == 2) {

monthString = "February";

} else if (month == 3) {

monthString = "March";

} else if (month == 4) {

monthString = "April";

} else if (month == 5) {

monthString = "May";

} else if (month == 6) {

monthString = "June";

} else if (month == 7) {

monthString = "July";

} else if (month == 8) {

monthString = "August";

} else if (month == 9) {

monthString = "September";

} else if (month == 10) {

monthString = "October";

} else if (month == 11) {

monthString = "November";

} else if (month == 12) {

monthString = "December";

}

System.out.println(monthString);

}

int month = 9;  
 switch (month) {  
 case 1:  
 System.*out*.println("January");  
 break;  
 case 2:  
 System.*out*.println("February");  
 break;  
 case 3:  
 System.*out*.println("March");  
 break;  
 case 4:  
 System.*out*.println("April");  
 break;  
 case 5:  
 System.*out*.println("May");  
 break;  
 case 6:  
 System.*out*.println("June");  
 break;  
 case 7:  
 System.*out*.println("July");  
 break;  
 case 8:  
 System.*out*.println("August");  
 break;  
 case 9:  
 System.*out*.println("September");  
 break;  
 case 10:  
 System.*out*.println("October");  
 break;  
 case 11:  
 System.*out*.println("November");  
 break;  
 case 12:  
 System.*out*.println("December");  
 break;  
 default:  
 System.*out*.println("Invalid number for a month, the months can be between 1 and 12");  
 break;  
 }  
 }  
}