

Introduction to Programming Assignment

1)

Write a JavaScript program to check if 5 is divisible by 2, - Hint use % operator.

2)

Could you find out an error in below code:

```
var x = 20;  
var y = 10;  
console.log(x);  
console.log(c);
```

3)

Write a Javascript program to check if the number 13 is even or odd. - Hint use if-else conditions.

4)

```
var x = 3;  
x = x + 2;  
console.log(x);  
var y = 2;  
console.log(4>y);  
console.log(x>y);  
console.log(x/y);  
y = y - 1  
console.log(y);
```

What above program prints? -Hint you can run this program and give the output. However in mid and final exam you don't have such an option.

5)

Below code checks if a number is in the range between 7 to 14:

```
var x = 12;  
if(x>=7){  
    if(x<=14){  
        console.log("between 7 to 14");  
    }else{  
        console.log("it doesn't fall between 7 to 14");  
    }  
}else{  
    console.log("it doesn't fall between 7 to 14");  
}
```

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Rewrite the same above program using relational operator &&.

6)

a) Use for loop to print numbers from 0 to 50.

b) Use while loop to print numbers from 0 to 50.

7)

Write a program to determine a number that is divisible by 3 and 5 that lie between 1 and 50 and then print its square.