Checking prime number:

Function isPrime(integer){

for (var i=2; i<integer; i++){

if ( integer % i === 0){

console.log(integer + “ is divisible by “ + i);

return false;

}

}

return true;

}

**Undefined :** a function is always going to return some value back to the caller. If a return value is not specified , then the function just return back undefined.

It’s important to understand that **return** and **print** are not the same thing. Printing a value to the JavaScript console only displays a value (that you can view for debugging purposes), but the value it displays can't really be used for anything more than that. For this reason, you should remember to only use console.log to test your code in the JavaScript console.

Paste the following function declaration *and* function invocation into the JavaScript console to see the difference between logging (printing) and returning:

**function** **isThisWorking**(input) {

console.log("Printing: isThisWorking was called and " + input + " was passed in as an argument.");

**return** "Returning: I am returning this string!";

}

isThisWorking(3);

**Prints:** "Printing: isThisWorking was called and 3 was passed in as an argument"  
**Returns:** "Returning: I am returning this string!"

If you don't explicitly define a return value, the function will return undefined by default.

**function** **isThisWorking**(input) {

console.log("Printing: isThisWorking was called and " + input + " was passed in as an argument.");

}

isThisWorking(3);

**Prints:** "Printing: isThisWorking was called and 3 was passed in as an argument"  
**Returns:** undefined

**QUESTION 1 OF 3**

What does this function "return"?

**function** **sleep**() {

console.log("I'm sleepy!");

**return** "zzz";

**return** "snore";

}

sleep();

* 

"I'm sleepy!"

* "zzz"
* 

"snore"

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**QUESTION 2 OF 3**

What number will be "printed" (to the JavaScript console)?

**function** **square**(x) {

**return** x \* x;

}

**function** **subtractFour**(x) {

**return** square(x) - 4;

}

console.log(subtractFour(5));

* 

25

* 

1

* 21
* 

5

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**QUESTION 3 OF 3**

What do you think will happen with the following code?

**function** **test**() {

**return** 1;

**return** 2;

}

test();

* 1 will be returned