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Section 1 Question and Answers

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# Question 1

**You are given a series 1,2,3 … recognize the pattern and write a small piece of php code to print out this series up until infinity (infinite loop).**

## Code:

$x = 1;

While (true) {

Print ($x . ‘,’ );

$x++;

}

# Question 2

**You are given a series 1,3,6,10 … recognize the pattern and write a small piece of php code to print out this series up until infinity (infinite loop).**

## Code:

$x = 1;

$incremental = 0;

While (true) {

$incremental += $x;

Print ($incremental . ‘,’);

$x++;

}

# Question 3

**Explain what it means to define a class as abstract.**

## Answer:

An abstract class is used to set specific expectations for any concrete class. It can’t be instantiated but rather used as an interface for subclasses to extend or inherit. An abstract class in PHP needs at least one or more abstract methods.

# Question 4

## Private variables:

Cannot be directly accessed from anywhere due to its “private scope”. Only the class where the variable is declared can access the private variable with the use of a getter/accessor function to return its value. If you want to assign a value to a private variable, it must be accomplished with the help of a setter/mutator function. This setter class can be called within the constructor function to assign a value to the private variable.

## Protected variables:

A class variable will be declared “protected” when you want to set its scope outside of the class it is declared in. This will allow any extended classes to access the variable as well.

# Question 5

## Define the following php functions:

**Explode:** Split a string based on any given character. The string will be split into an array of strings.

**Stripos:** Used to find the first occurrence of a substring within another string.

**Rtrim:** Function used to remove any unwanted specified characters at the end of a string.

**Require:** Function used to include another file and/or script into your current file.

**Require\_once:** Function used to include another file and/or script into your current file, but also checks if the file is already include into your script/file. If so, it will not include again.

# Question 6

**What would the following code output:**

for ($i = 0; $i < 5; $i++) {

echo $i;

continue;

}

## Output:

01234

# Question 7

**What would the following code output:**

Do {

Ehco “1”;

Continue;

Echo “2”;

Break;

}while (false);

## Output:

1

# Question 8

## Query:

SELECT

u.username AS user\_name

c.name AS company\_name

FROM user u

LEFT JOIN company c

ON u.company\_id=c.id

# Question 9

**Briefly describe what JSON is and what php functions you would use to make use of JSON on a day to day basis:**

## Answer:

JSON is a Javascript formatted text that is transferred between systems via API’s.

Common php JSON functions:

* Json\_encode()
* Json\_decode()
* Json\_last\_error()