

PSDD – Creating Code - TASK 4 – Letter Z

To complete this worksheet you require a working webserver, e.g. WOS (website on a stick).

Aim

The aim of this worksheet is to:
Develop an algorithm and then the php program using the design provided

Skills and knowledge

Algorithms, Text files: reading and writing,
While loops, Binary selection
Creating and testing php code

Outline:

You have been given a problem definition and test data. You need to design an algorithm that solves the problem then create and test the php program code.

Problem Definition

You need to enter is a number between 3 and 20 and then create a letter Z of that size either to the screen or to a file (see sample test data for examples).

Test data

Input 3	Input 5	Input 8
Output	Output	Output
ZZZ	ZZZZZ	ZZZZZZZZ
0Z0	000Z0	000000Z0
ZZZ	00Z00	00000Z00
	0Z000	0000Z000
	ZZZZZ	000Z0000
		00Z00000
		0Z000000
		ZZZZZZZZ

Extension

1. Allow the user to create the letter T, similar to Z eg input 3, T

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TTT
OT0
OT0
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2. Do another letter
3. Create a drop down menu with the letters the user can do select from