**Assignment Spot Check Electronic Answer Document (EAD)**

Use the following document to record your answers to the assignment spot check. You should then submit the completed EAD to the link provided on Moodle by your teacher.

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| **Question 1, Part B** |
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| **Question 1, Part C** |
| #Alexander Allan  #23/09/2014  #Assignment Statement Spot Check  Width = float(input("Please enter the width of the pool: "))  Length = float(input("Please enter the length of the pool: "))  Depth = float(input("Please enter the depth of the pool: "))  #Here is me asking for specific information about the pool.  MainSectionVolume = (Length \* Width \* Depth)  CircleRadius = (Width / 2)  CircleVolume = (3.14 \* CircleRadius\*\*2)  HalfCircleVolume = ((CircleVolume / 2) \* Depth)  PoolVolume = (MainSectionVolume + HalfCircleVolume)  #Here I have just calculated the total volume of the pool.  print("The volume of the swimming pool you have is {0} metres squared.".format(round(PoolVolume,2)))  #Here I am telling the user the volume of the pool. |

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| **Question 2, Part B** |
| #Alexander ALlan  #23/09/2014  #Assignment Astatemtn Spot Check Question 2  WeightOfItem = int(input("Please enter the weight you have: "))  #Here I am asking for the aweight he is asking me ot calculate for.  OneHundredGs = (WeightOfItem // 100)  Remainder = (WeightOfItem % 100)  #Here I am working out how many 100g weights can go into his weight.  FiftyGs = (Remainder // 50)  Remainder = (Remainder % 50)  #Here I am working out how many 50g weights can go into his weight.  TenGs = (Remainder // 10)  Remainder = (Remainder % 10)  #Here I am working out how many 10g weights can go into his weight.  FiveGs = (Remainder // 5)  Remainder = (Remainder % 5)  #Here I am working out how many 15g weights can go into his weight.  OneGs = (Remainder // 1)  #Here I am working out how many 1g weights can go into his weight.  print("In {0}g, you can have {1} 100g weight(s), {2} 50g weight(s), {3} 10g weight(s), {4} 5g weight(s) and {5} 1g weight(s).".format(WeightOfItem,OneHundredGs,FiftyGs,TenGs,FiveGs,OneGs))  #Here I am telling the user the final calculation. |
| **Question 2, Part C** |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Weight Entered | Expected Values | | | | | | | | Did actual result match (Y/N)? | | 1g | 2g | 5g | 10g | 50g | 100g |  |  | | 312 | 1 | 1 | 0 | 1 | 0 | 3 |  |  | Y | | 12 | 0 | 1 | 0 | 1 | 0 | 0 |  |  | Y | | 186 | 1 | 0 | 1 | 3 | 1 | 1 |  |  | Y | |