**Python Progress Check 1:** **Name: \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_**

In the box below, plan/write a short python program that will:
 \* Ask the user to Enter their name.

 \* Display a Message to the user welcoming them to Mr Aldred’s School of Code.

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Now **copy** your code into IDLE, test your code using valid and invalid data. In the box below, write down the Errors (if any) your code produced, change your code above (use a different colour) so that it now works without any errors. Use the Code Playground on canyoucompute.co.uk

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Look at the following piece of code, what does this do? (Write your answer in the box below the code)

pupils = [“George”, “Mary”, “Peter”, “Harry”, “Jessica”, “Jonah”]

print(len(pupils))

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Write in the box below the Python code to add another Name to ‘pupils’.

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Look at the following code, **add comments/annotation** to explain what the code should do:

import random

roll= random.randint(1, 6)

roll2=random.randint(1,6)

print(“Roll 1: ”, roll)

print(“Roll 2: “, roll2)

combined = roll+roll2

print (combined)

Copy the code above into IDLE, Add to/modify the code so that the user receives different output depending on the variable ‘combined’. Plan in the box below the code you will need to add (make sure you annotate it):

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In the box above, using a different colour, amend your plan to show the working code you actually used.

In the box below, suggest some additions you could make to your program to make it better:

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Add the variable ‘chosen’ to your code, edit your code to allow the user to enter a chosen number between 1 and 12, compare this variable to ‘combined’, if both ‘chosen’ and ‘combined’ are the same then print a message saying ‘Congratulations, you have won a prize’.

Write the code you have added in the box below:

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Write below any problems that could occur with this program, and how you could fix them:

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**Answer the questions below:**

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| Question | Answer |
| How Easy did you find this Task? (1- Easy, 10- Hard) | [ 1 2 3 4 5 6 7 8 9 10 ] |
| What have you learnt from this quiz? (*Answer Below*) |
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| What would you like to know more about/go over again? (*Answer Below*) |
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| What part of the test did you find the most difficult? (*Answer Below*) |
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