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| **Task 1: Favorite Meal** |
| Write a program that allows user to enter their favorite starter, main course, dessert and drink.  Concatenate these and output a message which says – “Your favourite meal is ………with a glass of….”  Follow the instructions below:   1. Create 4 variables, one named starter, one named main, one named dessert and one named drink. 2. Concatenate these into the output message using + to combine the strings |

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| **Task 2: Calculations** |
| Create a few programs to complete the following calculations:  1) Takes two numbers from user and outputs a subtraction  2) Takes two numbers from user and outputs a multiplication  3) Takes two numbers from user and outputs a division  Follow the instructions below:   1. Create 2 variables which enable a user to input a number. 2. Then subtract the 2 numbers from each other. 3. Repeat steps 1 and 2 to carry out the calculations for multiplication and division. |

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| **Task 3: Joke** |
| Write code that will display the joke “What do you call a bear with no teeth?” and on the next line display the answer “A gummy bear!”  Follow the instructions below:   1. Create a variable name to store the joke against. 2. Use \n to separate the code into the joke and the punch line. |

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| **Task 4: Casting** |
| Create a program that:  Asks the user for two numbers  Multiples the numbers together  Prints the answer as both an integer and a float  Follow the instructions below:   1. Create 2 variables which put the user to input a number. 2. Multiple these numbers together and print the answer. 3. Using int() and float() print the answer as an integer and float |

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| **Task 5: String modification** |
| Modify a string which you have created to do the following built-in methods   * Replace * Upper case * Split   Follow the instructions below:   1. Create a string and store it against a variable name 2. Use replace(), upper() and split to modify your string |
| **Stretch and Challenge** |
| These tasks are optional which you can complete in order to test your knowledge.  **Task\_01**  Ask for the total price of a bill, then ask how many dinners there are. Divide the total bill by the number of diners and show how much each person should pay.  **Task\_02**  Ask for the radius and the depth of a cylinder and work out the total volume (circle area\*depth) rounded to three decimal places. (You will need to import the math library and look up the function for rounding decimals) |

**Marking Criteria Task 1-5**

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|  | **Pass** | **Merit** | **Distinction** |
| **Syntax** | * Attempts to use Python syntax with some success | * Python syntax is largely accurate with some errors | * Python syntax is consistently accurate and appropriate to the task |

## **Marking criteria Task 1**

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|  | **Pass** | **Merit** | **Distinction** |
| **Code** | * Declares 1 variables * Attempts to concatenate the variables into the output message | * Declares all 4 variables * Successfully concatenates the variables into the output message | * Has demonstrated the use of both + and , to concatenate strings |

## **Marking criteria Task 2**

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|  | **Pass** | **Merit** | **Distinction** |
| **Code** | * Attempts to prompt the user to input a number and store against a variable * Attempts to complete 1 calculation | * Successfully prompts the user to input 2 numbers and store against separate variables * Completes all 3 calculations | * Has demonstrated the ability to carry out other calculations |

## **Marking criteria Task 3**

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|  | **Pass** | **Merit** | **Distinction** |
| **Code** | * Attempts to store string against variable * Attempts to print the punch line of the joke on a separate line | * Successfully stores string against variable * Print the punch line of the joke on a separate line and formatting is correct | * Modifies the string using other inbuilt methods |

## **Marking criteria Task 4**

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|  | **Pass** | **Merit** | **Distinction** |
| **Code** | * Attempts to prompt the user to input a number and store against a variable * Attempts to complete the calculation | * Successfully prompts the user to input 2 numbers and store against separate variables * Completes the calculation * Prints the answer as a integer and a float | * Casts answer into other data types |

## **Marking criteria Task 5**

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|  | **Pass** | **Merit** | **Distinction** |
| **Code** | * Attempts to store string against variable * Modifies the string using one of the built-in methods | * Successfully stores string against variable * Modifies the string using all the suggested built in methods | * Demonstrated the ability to manipulate strings in other ways e.g. slicing |