

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 iswith 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

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.

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.

Task 4: Casting

Create a program that:
Asks the user for two numbers
Multiplies 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

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

	Pass	Merit	Distinction
Syntax	<ul style="list-style-type: none">Attempts to use Python syntax with some success	<ul style="list-style-type: none">Python syntax is largely accurate with some errors	<ul style="list-style-type: none">Python syntax is consistently accurate and appropriate to the task

Marking criteria Task 1

	Pass	Merit	Distinction
Code	<ul style="list-style-type: none">Declares 1 variablesAttempts to concatenate the variables into the output message	<ul style="list-style-type: none">Declares all 4 variablesSuccessfully concatenates the variables into the output message	<ul style="list-style-type: none">Has demonstrated the use of both + and , to concatenate strings

Marking criteria Task 2

	Pass	Merit	Distinction
Code	<ul style="list-style-type: none">Attempts to prompt the user to input a number and store against a variableAttempts to complete 1 calculation	<ul style="list-style-type: none">Successfully prompts the user to input 2 numbers and store against separate variablesCompletes all 3 calculations	<ul style="list-style-type: none">Has demonstrated the ability to carry out other calculations

Marking criteria Task 3

	Pass	Merit	Distinction
Code	<ul style="list-style-type: none">Attempts to store string against variableAttempts to print the punch line of the joke on a separate line	<ul style="list-style-type: none">Successfully stores string against variablePrint the punch line of the joke on a separate line and formatting is correct	<ul style="list-style-type: none">Modifies the string using other inbuilt methods

Marking criteria Task 4

	Pass	Merit	Distinction
Code	<ul style="list-style-type: none">Attempts to prompt the user to input a number and store against a variableAttempts to complete the calculation	<ul style="list-style-type: none">Successfully prompts the user to input 2 numbers and store against separate variablesCompletes the calculationPrints the answer as a integer and a float	<ul style="list-style-type: none">Casts answer into other data types

Marking criteria Task 5

	Pass	Merit	Distinction
Code	<ul style="list-style-type: none">Attempts to store string against variableModifies the string using one of the built-in methods	<ul style="list-style-type: none">Successfully stores string against variableModifies the string using all the suggested built in methods	<ul style="list-style-type: none">Demonstrated the ability to manipulate strings in other ways e.g. slicing