

**Task 1:**

Open a file and name it ‘mission.py’. In the file, declare a variable called playerName in your text editor of choice. Set it to your players name. Print the variable and run this from the terminal.

**Task 2:**

The flight number needs to be found. The flight number is a code made of the Pilot’s licence ID number and the age of the plane.

Find these values in your dossier pack. Declare each as variables (datatype = string) and concatenate them together as a new variable called flightNumber.

Print the result.

**Task 3.**

The mission ID number is critical to recovering the aircraft. Some of the mission id was decrypted but some of the transmission was corrupted. What was left of the recovered values can be found in your dossier. Crack the corrupted code by:

1. Creating a variable for each number
2. Subtract two from the first number. Store the result in a new variable as a string.
3. Multiply the second number (a float) by 2. Store the result in a new variable as a string.
4. Add 2 to the final number. Store the result in a new variable as a string.
5. Concatenate the strings together (in order) and print the result.

**Task 4.**

The airport ID of the destination airport needs to be recovered. Find the ID’s found on your map.

1. Put these values into an array/list.
2. Write a ‘For loop’.
3. Nest an ‘IF/Else’ statement inside your For Loop. (Use your cheat sheet if you are stuck) that will ‘break’ ‘if’ x is equal to “2d96e.89fcc.1df5”
4. Print the result of the For loop.

**Task 5(a).**

Crack the final code to recover the payload.

1. Go to admin.spotxchange.com
2. Submit the flightNumber under ‘publisher’
3. Search under campaigns for the Airport\_ID.
4. Search for the mission ID number under the channel tools. Check in the ‘Internal Notes’ for the mission. The rest of the code will be in there.
5. Copy the first half of the code and the second half into an array called ‘code’.

**Task 5(b).**

1. Import the code\_cracker.py file into your mission.py file.
2. Call the crack\_code(code) function.
3. Run the mission.py file to see the cracked code.
4. Find the cracked code in ‘Creative Review’ to recover the payload and complete the mission.