# Worksheet 06

## Task 1

Define: What is modulisation?

Research: What are the most used python modules? What are they used for?

Opinion: Why are modules useful? Why do we use them?

## Task 2

Define: What is decomposition?

Why do we use it?

Research decomposition. https://teachinglondoncomputing.org/resources/developing-computational-thinking/decomposition/

Draw a diagram of a problem or task, can you decompose it into sub-tasks?

## Task 3

Research pattern recognition:

<https://www.bbc.co.uk/bitesize/guides/zxxbgk7/revision/3>

<https://www.bbc.co.uk/news/technology-50865437>

<https://www.theguardian.com/technology/2020/jun/10/amazon-rekognition-software-police-black-lives-matter>

Write a brief report on the uses of pattern recognition in problem solving. Why is it useful? What problems may occur?