

Intro to Coding - Unplugged

Direct a Tourist

You are approached by a foreign tourist in Newcastle city centre, just outside of the Haymarket metro station. They only understand a few words of english but need to catch a train from the Central Station. Write down instructions to help them get from their current location to their desired destination. They understand walk, turn left, turn right and distances (and maybe some others). Improvised street names are allowed.

How would you change your answer if the person was blind?

Make a Cup of Tea

Your new Robot Butler understands lots of verbs and nouns but does not know how to make you a cup of tea the way you like it. Write down commands that he can understand and follow to make a cup of tea.

Here are the words your butler understands

spoon	cup	water	kettle	pour
stir	fill	clean	sugar	close
milk	teabag	coffee	saucer	switch-on
raise	fridge	lower	empty	open
switch-off	take	cupboard	full	if
when	before	after	while	wait

How would you change the instructions if you wanted him to be able to make tea for a visitor to your home?

The Mechanic's Apprentice

You are an experienced car mechanic and need to train your apprentice to do simple repairs he can be trusted with while you are busy with complicated jobs. Write down the instructions he should follow so that he can change a tyre on any car without your intervention.