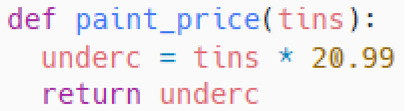
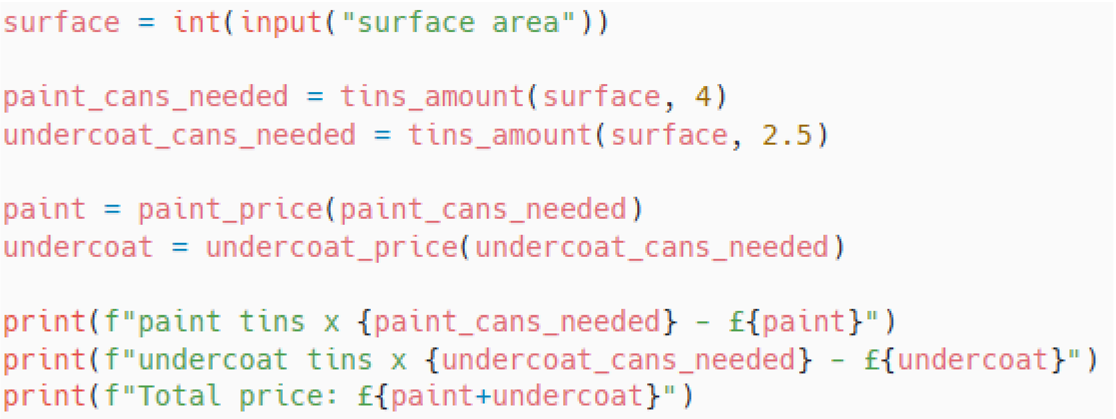
Codefez 2.2 Programming Worksheet 4 ANS

Q	Answer	Mark	Guidance

1	1 mark for each point:
	- Defines a function called paint_price
	- … That takes a parameter of tins
	- Calculates correctly the number of tines by 20.99
	- Returns a total
		4	
			`def paint_price(tins):`
			`  underc = tins * 20.99`
			`  return underc`

2	1 mark for each point:
	- Taking user input for surface area
	- initialising the tins_amount function with a suitable variable name, taking surface area and 4 as parameters (for paint)
	- initialising the tins_amount function with a suitable variable name, taking surface area and 2.5 as parameters (for undercoat)
	- Calling the paint_price function with paint cans needed as an argument
	- Calling the undercoat_price function with undercoat cans needed as an argument
	- Displaying number of paint cans needed and cost
	- Displaying number of undercoat cans needed and cost
	- Displaying total price
		8	Python Example:
			
			`surface = int(input("surface area"))`
			
			`paint_cans_needed = tins_amount(surface, 4)`
			`undercoat_cans_needed = tins_amount(surface, 2.5)`
			
			`paint = paint_price(paint_cans_needed)`
			`undercoat = undercoat_price(undercoat_cans_needed)`
			
			`print(f"paint tins x {paint_cans_needed} - £{paint}")`
			`print(f"undercoat tins x {undercoat_cans_needed} - £{undercoat}")`
			`print(f"Total price: £{paint+undercoat}")`
			Pseudocode:
			surface = input("surface area")
			
			paint_cans_needed = tins_amount(surface, 4)
			undercoat_cans_needed = tins_amount(surface, 2.5)
			
			paint = paint_price(paint_cans_needed)
			undercoat = undercoat_price(undercoat_cans_needed)
			
			print("paint tins x “+ paint_cans_needed + “ - £” +paint)
			printf"undercoat tins x “ undercoat_cans_needed “ - £”+undercoat)
			print("Total price: £ “ + (paint+undercoat))