

Table E.3: Set of objects with classes, attribute values and responses from the Robot hierarchy

Object name	Class	Attributes	Response to perform() message
jamie	CookRobot	meansOfMobility: two legs language: English	prepare meal
sophia	MaidRobot	meansOfMobility: two legs language: Italian	clean stairs
jeeves	ButlerRobot	meansOfMobility: two legs language: English	answer door
mart	MartianRobot	meansOfMobility: wheels language: Martian numOfWheels: 8	transmits reports to earth in Martian
john	WierdoRobot	meansOfMobility: wheels language: 🦖🦖🦖🦖 numOfWheels: 6	converses with other heads in 🦖🦖🦖🦖
pat	DogRobot	meansOfMobility: four legs noise: Woof bestTrick: fetch stick noisy: True	fetch stick and say 'Woof, Woof, Woof, Woof'
felix	CatRobot	meansOfMobility: four legs noise: miaow bestTrick: catch mice extraTrick: climb up curtain	catch mice and say 'Miaow' and climb up curtain

Exercise 4.13

The output would be:

- prepare meal
- clean stairs
- answer door
- transmit to earth in Martian
- converse with other heads in 🦖🦖🦖🦖
- fetch stick and say 'Woof, Woof, Woof, Woof'
- catch mice and say 'Miaow' and climb up curtain.