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import unittest

class TestLists(unittest.TestCase):
    def test_lists(self):
        """
        A basic introduction to lists
        """
        # Create the variable ``bird_list`` and assign to an empty list
        # *****
        bird_list = []
        self.assertEqual(bird_list, [])

        # Append 'American redstart' and 'Arctic tern' to ``bird_list``
        # *****
        bird_list.append('American redstart')
        bird_list.append('Arctic tern')
        self.assertEqual(bird_list, ['American redstart', 'Arctic tern'])

        # Sort ``bird_list`` in reverse order (use help())
        # *****
        bird_list.sort(reverse=True)
        self.assertEqual(bird_list, ['Arctic tern', 'American redstart'])

        # ``extend`` the list ``bird_list`` with ['Northern parula', 'Hooded
warbler']
        # *****
        bird_list.extend(['Northern parula', 'Hooded warbler'])
        self.assertEqual(bird_list, ['Arctic tern', 'American redstart', 'Northern
parula', 'Hooded warbler'])

        # create a variable ``warbler_id`` with the index of 'Hooded warbler' in
        # ``bird_list`` using list methods.
        # *****
        warbler_id = bird_list.index('Hooded warbler')
        self.assertEqual(warbler_id, 3)

if __name__ == '__main__':
    unittest.main()
```