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        "## Exercises\n",
        "\n",
        "Answer the questions or complete the tasks outlined in bold below, use the specific method described if applicable."
      ]
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        "*** Split this string:***\n",
        "\n",
        "    s = \"Hi there Sam!\"\n",
        "    \n",
        "***into a list. ***"
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    "*** Given the variables:**\n",
    "\n",
    "    planet = \"Earth\"\n",
    "    diameter = 12742\n",
    "\n",
    "*** Use .format() to print the following string: **\n",
    "\n",
    "    The diameter of Earth is 12742 kilometers."
  ]
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    "*** Given this nested list, use indexing to grab the word \"hello\" ***"
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  "lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]"
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    "*** Given this nest dictionary grab the word \"hello\". Be prepared, this will be annoying/tricky ***"
  ]
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    "d = {'k1':[1,2,3,{ 'tricky':['oh','man','inception',{'target':[1,2,3,'hello']}]}]}"
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]
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  "source": [
    "*** Create a function that grabs the email website domain from a string in the form: **\n",
    "\n",
    "  user@domain.com\n",
    "  \n",
    "***So for example, passing \"user@domain.com\" would return: domain.com***"
  ]
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    "*** Create a basic function that returns True if the word 'dog' is contained in the input string. Don't worry about edge cases like a punctuation being attached to the word dog, but do account for capitalization. ***"
  ]
]

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    },
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        "*** Create a function that counts the number of times the word \"dog\" occurs in a string. Again ignore edge cases. ***"
      ]
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        "#### Problem\n",

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    """You are driving a little too fast, and a police officer stops you. Write a function\n",
    " to return one of 3 possible results: \"No ticket\", \"Small ticket\", or \"Big Ticket\". \n",
    " If your speed is 60 or less, the result is \"No Ticket\". If speed is between 61 \n",
    " and 80 inclusive, the result is \"Small Ticket\". If speed is 81 or more, the result is \"Big Ticket\". Unless it i
s your birthday (encoded as a boolean value in the parameters of the function) -- on your birthday, your speed can be
5 higher in all \n",
    " cases. """

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    "def caught_speeding(speed, is_birthday):\n",
    "    \n",
    "    if is_birthday:\n",
    "        speeding = speed - 5\n",
    "    else:\n",
    "        speeding = speed\n",
    "    \n",
    "    if speeding > 80:\n",
    "        return 'Big Ticket'\n",
    "    elif speeding > 60:\n",
    "        return 'Small Ticket'\n",
    "    else:\n",
    "        return 'No Ticket'"
  ]
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{
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    "Create an employee list with basic salary values(at least 5 values for 5 employees) and using a for loop retriev

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e each employee salary and calculate total salary expenditure. "

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      "Create two dictionaries in Python:\n",
      "\n",
      "First one to contain fields as Empid, Empname, Basicpay\n",
      "\n",
      "Second dictionary to contain fields as DeptName, DeptId.\n",
      "\n",
      "Combine both dictionaries. "
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