```
{
 "cells": [
  {
   "cell_type": "code",
   "execution_count": 1,
   "metadata": {},
   "outputs": [
    {
     "name": "stdout",
     "output_type": "stream",
     "text": [
      "Original List: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,
13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,
28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42,
43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57,
58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72,
73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87,
88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100]\n",
      "New List: ['a', '1', '2', '3', '4', 'a', '6', '7', '8', '9', 'a',
'11', '12', '13', '14', 'a', '16', '17', '18', '19', 'a', '21', '22',
'23', '24', 'a', '26', '27', '28', '29', 'a', '31', '32', '33', '34',
'a', '36', '37', '38', '39', 'a', '41', '42', '43', '44', 'a', '46',
'47', '48', '49', 'a', '51', '52', '53', '54', 'a', '56', '57', '58',
'59', 'a', '61', '62', '63', '64', 'a', '66', '67', '68', '69', 'a',
'71', '72', '73', '74', 'a', '76', '77', '78', '79', 'a', '81', '82',
```

```
'83', '84', 'a', '86', '87', '88', '89', 'a', '91', '92', '93', '94',
'a', '96', '97', '98', '99', 'a']\n"
    ]
   }
  ],
  "source": [
   "# Create a numerical list within the range of
0-101\n",
   "original_list = list(range(101))  # Range is 0-101
inclusive\n",
   "\n",
   "# Create a new list by replacing digits divisible by
5 with 'a'\n",
   "new_list = [str(x) if x % 5 != 0 else 'a' for x in
original_list]\n",
   "\n",
   "# Print the original and new lists\n",
   "print(\"Original List:\", original_list)\n",
   "print(\"New List:\", new_list)\n"
  ]
 }
],
"metadata": {
 "kernelspec": {
  "display_name": "Python 3",
```

```
  "language": "python",
  "name": "python3"
 },
 "language_info": {
  "codemirror_mode": {
   "name": "ipython",
   "version": 3
  },
  "file_extension": ".py",
  "mimetype": "text/x-python",
  "name": "python",
  "nbconvert_exporter": "python",
  "pygments_lexer": "ipython3",
  "version": "3.11.5"
 }
},
"nbformat": 4,
"nbformat_minor": 2
}
```