

2.7: List Operations Crib Sheet

Complete the following table demonstrating the different operations which are possible when using lists

This worksheet builds on the following list which was created during the walkthrough for this session:

names = [“alice”, “bob”, “charlie”, “dave”, “eve”, “frank”, “grace”, “heidi”, “ivan”]

| **Operator** | **Example Code** | **Example Output** | **Description** |
| --- | --- | --- | --- |
|  | names.append(“judy”)  print(names) |  |  |
|  | print(len(names)) |  |  |
|  | names.extend([“mallory”, “niaj”, “olivia”])  print(names) |  |  |
|  | names.insert(4, “david”)  print(names) |  |  |
|  | print(names.index(“eve”)) |  |  |
|  | print(names[0]) |  |  |
|  | print(names[2:4]) |  |  |
|  | print(names[:5]) |  |  |
|  | print(names[5:]) |  |  |
|  | print(names[3:-2]) |  |  |
|  | print(names[-6:-1]) |  |  |
|  | print(names[1: 5: 2]) |  |  |
|  | print(names[::-1]) |  |  |
|  | names[2:4] = [1, 2, 3, 4, 5]  print(names) |  |  |
|  | names.clear()  print(names) |  |  |