

forking.py (Page 1 of 1)

```

1: #!/usr/bin/env python
2:
3: #-----
4: # forking.py
5: # Author: Bob Dondero
6: #-----
7:
8: import multiprocessing
9:
10: #-----
11:
12: def color_printing_process_target(color):
13:     for _ in range(5):
14:         print(color)
15:     print(color + ' process terminated')
16:
17: #-----
18:
19: def main():
20:
21:     blue_color_printing_process = multiprocessing.Process(
22:         target=color_printing_process_target, args=['blue'])
23:     red_color_printing_process = multiprocessing.Process(
24:         target=color_printing_process_target, args=['red'])
25:
26:     blue_color_printing_process.start()
27:     red_color_printing_process.start()
28:
29:     print('parent process terminated')
30:
31: #-----
32:
33: if __name__ == '__main__':
34:     main()

```

waiting.py (Page 1 of 1)

```

1: #!/usr/bin/env python
2:
3: #-----
4: # waiting.py
5: # Author: Bob Dondero
6: #-----
7:
8: import multiprocessing
9:
10: #-----
11:
12: def color_printing_process_target(color):
13:     for _ in range(5):
14:         print(color)
15:     print(color + ' process terminated')
16:
17: #-----
18:
19: def main():
20:
21:     blue_color_printing_process = multiprocessing.Process(
22:         target=color_printing_process_target, args=['blue'])
23:     red_color_printing_process = multiprocessing.Process(
24:         target=color_printing_process_target, args=['red'])
25:
26:     blue_color_printing_process.start()
27:     red_color_printing_process.start()
28:
29:     blue_color_printing_process.join()
30:     red_color_printing_process.join()
31:
32:     print('parent process terminated')
33:
34: #-----
35:
36: if __name__ == '__main__':
37:     main()

```

spawning.py (Page 1 of 1)

```

1: #!/usr/bin/env python
2:
3: #-----
4: # spawning.py
5: # Author: Bob Dondero
6: #-----
7:
8: import threading
9:
10: #-----
11:
12: def color_printing_thread_target(color):
13:     for _ in range(5):
14:         print(color)
15:     print(color + ' thread terminated')
16:
17: #-----
18:
19: def main():
20:
21:     blue_color_printing_thread = threading.Thread(
22:         target=color_printing_thread_target, args=['blue'])
23:     red_color_printing_thread = threading.Thread(
24:         target=color_printing_thread_target, args=['red'])
25:
26:     blue_color_printing_thread.start()
27:     red_color_printing_thread.start()
28:
29:     print('parent thread terminated')
30:
31: #-----
32:
33: if __name__ == '__main__':
34:     main()

```

joining.py (Page 1 of 1)

```

1: #!/usr/bin/env python
2:
3: #-----
4: # joining.py
5: # Author: Bob Dondero
6: #-----
7:
8: import threading
9:
10: #-----
11:
12: def color_printing_thread_target(color):
13:     for _ in range(5):
14:         print(color)
15:     print(color + ' thread terminated')
16:
17: #-----
18:
19: def main():
20:
21:     blue_color_printing_thread = threading.Thread(
22:         target=color_printing_thread_target, args=['blue'])
23:     red_color_printing_thread = threading.Thread(
24:         target=color_printing_thread_target, args=['red'])
25:
26:     blue_color_printing_thread.start()
27:     red_color_printing_thread.start()
28:
29:     blue_color_printing_thread.join()
30:     red_color_printing_thread.join()
31:
32:     print('parent thread terminated')
33:
34: #-----
35:
36: if __name__ == '__main__':
37:     main()

```