interactive.py

```
 1: from p1 import *
 2:
 3: # This program provides a way for me to interactively test values of m.
 4:
 5: while True:
 6:     inp = input("Enter a modulus m (e to exit): ")
 7:     if inp.lower() == "e":
 8:         exit(0)
 9:
10:     if not inp.isdigit():
11:         print("Please enter an integer.")
12:         continue
13:
14:     m = int(inp)
15:     print("")
16:     print(f"Inverses (mod {m}):")
17:     print(invertibles(m))
18:
19:     print(f"Sum of elements (mod {m})")
20:     print(s(m))
21:
22:     print(f"Sum of invertible elements (mod {m})")
23:     print(si(m))
24:
25:     print(f"Product of invertible elements (mod {m})")
26:     print(pi(m))
```