```
 1 import re
 2 string = ["22.11", "23", "66.7f", "123abcde", "
   Case44", "Happy", "78", "66.7", "yes123", "Book111"
   ]
 3
 4 # Task 1
 5
 6 def pattern_match(string):
 7     """
 8     Checks a given string against various patterns
   and prints matching results.
 9     """
10     matched = False
11     if re.match(r'^\d+$', string):
12         print(f"{string} matches the pattern: An
   integer")
13         matched = True
14     if re.match(r'^\d+\.\d+$', string):
15         print(f"{string} matches the pattern: A
   float consists of 1 or more digits before and after
    decimal point")
16         matched = True
17     if re.match(r'^\d+\.\d{2}$', string):
18         print(f"{string} matches the pattern: A
   float with exactly 2 digits after the decimal point
   ")
19         matched = True
20     if re.match(r'^\d+\.\d+f$', string):
21         print(f"{string} matches the pattern: A
   float ends with letter f")
22         matched = True
23     if re.match(r'^[A-Z]+[a-z]+\d+$', string):
24         print(f"{string} matches the pattern:
   Capital letters, followed by small case letters,
   followed by digits")
25         matched = True
26     if re.match(r'^\d{3}[a-z]{2,}$', string):
27         print(f"{string} matches the pattern:
   Exactly 3 digits, followed by at least 2 letters")
28         matched = True
29     if not matched:
```

```
30          print(f"{string} does not match any pattern
   ")
31
32 # Run the pattern matching
33 for s in string:
34     pattern_match(s)
35
36 # Task 2
37 def remove_integer_from_start(string):
38     match = re.match(r'^(\d+)\s*(.*)', string)
39     if match:
40         integer_part = match.group(1)
41         rest_of_string = match.group(2)
42         print(f'Found integer {integer_part} at the
    beginning of this string. The rest of the string
   is: "{rest_of_string}"')
43     else:
44         print(f'No integer found at the beginning
   of the string: "{string}"')
45
46 # Test cases
47 remove_integer_from_start("22 street")
48 remove_integer_from_start("90years")
49
50
```