```python
#Ex1NPL
import re

def detect_word_pattern(pattern, text):
        matches = re.findall(pattern, text)

        if matches:
                print("Word patterns detected:")
                for match in matches:
                        print(match)
        else:
                print("No word patterns detected.")

# sample inputs and outputs
sample_inputs = [
        ("[0-9]+","The price is $25 and the quantity is 10."),
        ("[A-Z][a-z]+","John and Alice went to the park."),
        ("[aeiou]+","The quick brown for jumps over the lazy dog."),
        ("[0-9]{2}-[0-9]{2}-[0-9]{4}","The date is 12-31-2022."),
        ("[A-Za-z]+","12345 is a number.")
]

for pattern, text in sample_inputs:
        print("patterns:",pattern)
        print("Text:",text)
        detect_word_pattern(pattern, text)
        print("-------------------")
```

Output: