

regex module.py > ...

```
1  import re
2  txt = "The rain in spain"
3  x= re.search("^The spain$",txt)
4
5  if x:
6      print("YES! We have a match!")
7  else:
8      print("No match")
9
10
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Pyth

Traceback (most recent call last):

```
    x= re.search("^The spain$",txt)
      ^^
```

NameError: name 're' is not defined. Did you forget to import 're'?

No match

findall().py > ...

```
1 import re
2 text = "The cat sat on the mat. The dog barked at the cat. Cats and
3 # Find occurrences of "cat" or "dog" (case-insensitive)
4 matches = re.findall(r"(cat|dog)", text, re.IGNORECASE)
5 print("Occurrences of 'cat' or 'dog':", matches)
6
7 # Find 3-letter words starting with "c" (case-sensitive)
8 three_letter_words = re.findall(r"\b\wc\w\b", text)
9 print("3-letter words starting with 'c':", three_letter_words)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Python.exe C:\Users\HP\Desktop\Bala\findall.py
Traceback (most recent call last):

```
  x= re.search("^The spain$",txt)
```

^^

meError: name 're' is not defined. Did you forget to import 're'?

match

C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Python.exe C:\Users\HP\Desktop\Bala\findall.py

C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Python.exe C:\Users\HP\Desktop\Bala\findall.py
Occurrences of 'cat' or 'dog': ['cat', 'dog', 'cat', 'Cat', 'dog']

3-letter words starting with 'c': []

C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python38-64/Python.exe C:\Users\HP\Desktop\Bala\findall.py

```
search().py > ...
1 import re
2 text = "The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
3 x = re.search("\s", text)
4 print("the first white-space character is located in position:",x.start())
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/findall.py
[]
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/HP/Desktop/Bala/findall().py"
Occurrences of 'cat' or 'dog': ['cat', 'dog', 'cat', 'cat', 'dog']
3-letter words starting with 'c': []
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/split.py
x=re.search("\s", txt)
the first white-space character is located in postion: 3
```

```
split.py > |x
1 import re
2 text = "The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
3 k = re.split("\s", text)
4 print("the first white-space character is located in position:",x)
5 print()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
^
NameError: name 'x' is not defined
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/split.py
c:\Users\HP\Desktop\Bala\split.py:4: SyntaxWarning: invalid escape sequence '\s'
x = re.split("\s", text)
the first white-space character is located in position: ['The', 'cat', 'sat', 'on', 'the', 'mat.', 'The', 'dog', 'barked', 'at', 'the', 'cat', 'Cats', 'and', 'dogs', 'live', 'in', 'harmony.']
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/HP/Desktop/Bala/match object.py"
Traceback (most recent call last):
File "c:/Users\HP\Desktop\Bala\match object.py", line 4, in <module>
    print(x.span())
```

```
match object.py > ...
1  import re
2  text = "Contact us at support@example.com, sales@company.org, or admin@website.net. For more information, visit www.example.com."
3  x = re.search(r"\bS\w+",text)
4  print(x.span())

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

C:\Users\HP\Desktop\Bala> split.py:4: SyntaxWarning: invalid escape sequence '\s'
x = re.split("\s", text)
The first white-space character is located in position: ['The', 'cat', 'sat', 'on', 'the', 'mat.', 'The', 'dog', 'barked', 'at', 'the', 'cat', 'Cats', 'and', 'dogs', 'live', 'in', 'harmony.']

S C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/HP/Desktop/Bala/match object.py"
Traceback (most recent call last):
  File "c:/Users/HP/Desktop/Bala/match object.py", line 4, in <module>
    print(x.span())
          ^^^^^^
AttributeError: 'NoneType' object has no attribute 'span'
S C:\Users\HP\Desktop\Bala> 
```

```
split.py > x
1  import re
2  text = "The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
3  x = re.split("\s", text)
4  print("the first white-space character is located in position:",x)
5  print()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/findall.py
[]
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/HP/Desktop/Bala/findall().py"
Occurrences of 'cat' or 'dog': ['cat', 'dog', 'cat', 'Cat', 'dog']
3-letter words starting with 'c': []
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/split.py
x=re.search("\s", txt)
the first white-space character is located in position: 3
PS C:\Users\HP\Desktop\Bala> & C:/Users/HP/AppData/Local/Programs/Python/Python312/python.exe c:/Users/HP/Desktop/Bala/split.py
c:\Users\HP\Desktop\Bala\split.py:4: SyntaxWarning: invalid escape sequence '\s'
  x = re.split("\s", text)
File "c:/Users/HP/Desktop/Bala/split.py", line 3, in <module>
```