

# Python day5 Assignment

Task 1: Use Python's re module to find all occurrences of the word "Python" in a given text.

Task 2: Create a list comprehension in Python to generate squares of even numbers between 1 to 10.

## Code )

```
#task1
import re

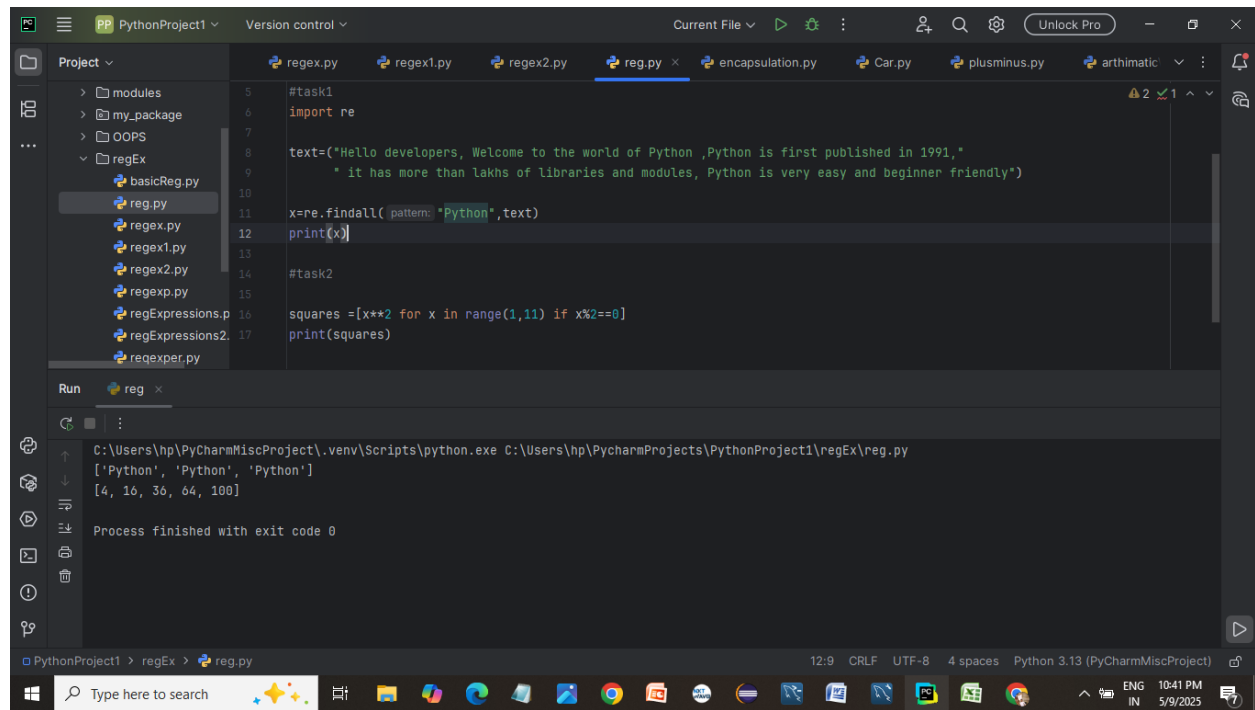
text=("Hello developers, Welcome to the world of Python ,Python is first
published in 1991,"
      " it has more than lakhs of libraries and modules, Python is very easy
and beginner friendly")

x=re.findall("Python",text)
print(x)

#task2

squares =[x**2 for x in range(1,11) if x%2==0]
print(squares)
```

## Output)

The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for file operations, running, and debugging. The 'Project' sidebar on the left shows a file tree with folders like 'modules', 'my\_package', 'OOPS', and 'regEx', and files like 'basicReg.py', 'reg.py', 'regex.py', 'regex1.py', 'regex2.py', 'regexp.py', 'regExpressions.p', 'regExpressions2', and 'reqexper.py'. The main editor window displays the code from the previous block. Below the editor, the 'Run' console shows the command: 'C:\Users\hp\PyCharmMiscProject\.venv\Scripts\python.exe C:\Users\hp\PyCharmProjects\PythonProject1\regEx\reg.py'. The output of the program is displayed as: ['Python', 'Python', 'Python'] followed by [4, 16, 36, 64, 100]. At the bottom, the status bar indicates 'PythonProject1 > regEx > reg.py', '12:9', 'CRLF', 'UTF-8', '4 spaces', and 'Python 3.13 (PyCharmMiscProject)'. The Windows taskbar at the very bottom shows the search bar and various application icons.