In [1]:
```
pip install matplotlib
```

```
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: matplotlib in c:\programdata\anaconda3\lib\site-packag
es (3.5.1)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\lib\site
-packages (from matplotlib) (1.3.2)
Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site-p
ackages (from matplotlib) (21.3)
Requirement already satisfied: pillow>=6.2.0 in c:\programdata\anaconda3\lib\site-pac
kages (from matplotlib) (9.0.1)
Requirement already satisfied: pyparsing>=2.2.1 in c:\programdata\anaconda3\lib\site-
packages (from matplotlib) (3.0.4)
Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-pack
ages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib\s
ite-packages (from matplotlib) (2.8.2)
Requirement already satisfied: numpy>=1.17 in c:\programdata\anaconda3\lib\site-packa
ges (from matplotlib) (1.21.5)
Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\site
-packages (from matplotlib) (4.25.0)
Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages
(from python-dateutil>=2.7->matplotlib) (1.16.0)
Note: you may need to restart the kernel to use updated packages.
```

In [2]:
```python
import matplotlib.pyplot as plt

def visualize_cycle_test_marks(cycle_test_numbers, marks):
    plt.bar(cycle_test_numbers, marks, color='green')
    plt.xlabel('Cycle Test Number')
    plt.ylabel('Marks')
    plt.title('Cycle Test Marks in Previous Year')
    plt.show()

def main():
    # Replace these lists with your actual cycle test numbers and marks
    cycle_test_numbers = [1, 2, 3, 4, 5]
    marks = [85, 92, 78, 88, 95]

    # Generate and display the bar plot
    visualize_cycle_test_marks(cycle_test_numbers, marks)

if __name__ == "__main__":
    main()
```
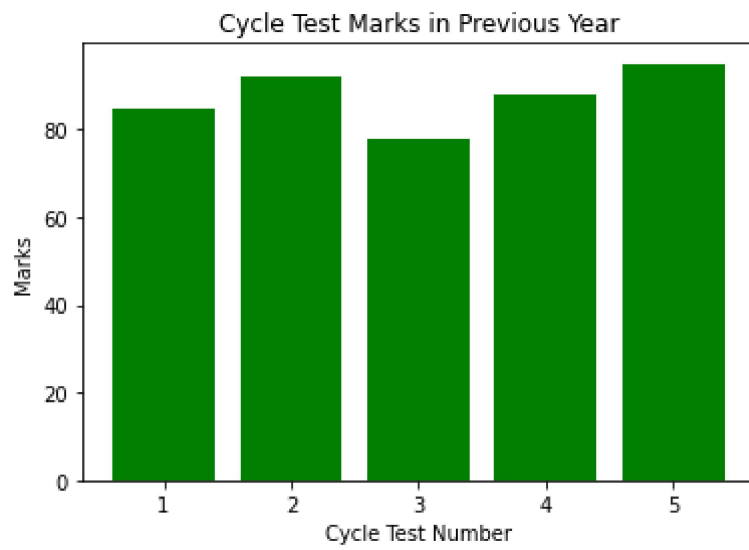
In [ ]: