LAB NO: (05)

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SECTION	“3B”
SUBJECT	Artificial Intelligence
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- Task One (Star Shape)

```
main.py  star.py  custom.py  credentials.py  LICENSE
D:\student-management-system-main\main.py
1  def star_pattern(rows):
2      for i in range(1, rows + 1):
3          print('* ' * i)
4
5  star_pattern(5)

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS D:\student-management-system-main> & C:/Users/awais/AppData/Local/Programs/Python/Python313/pyth...exe d:/s...nt-man...ement-system-main/star.py
*
* *
* * *
* * * *
* * * * *
PS D:\student-management-system-main>
```

- Task Two (Print 1-10 Numbers)

```
star.py > ...
1  for i in range(1, 11):
2      print(i)

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS D:\student-management-system-main> & C:/Users/awais/AppData/Local/Programs/Python/Python313/python.exe d:/student-management-system-main/star.py
1
2
3
4
5
6
7
8
9
10
PS D:\student-management-system-main>
```

- Task Three (Print Even Numbers)

```
star.py > ...
1  def find_even_numbers(numbers):
2      even_numbers = []
3      for num in numbers:
4          if num % 2 == 0:
5              even_numbers.append(num)
6      return even_numbers
7  numbers_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
8  print(find_even_numbers(numbers_list))

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS D:\student-management-system-main> & C:/Users/awais/AppData/Local/Programs/Python/Python313/python.exe d:/student-management-system-main/star.py
[2, 4, 6, 8, 10]
PS D:\student-management-system-main>
```

- Task Four (Sum of All Numbers)

SMIU KARACHI