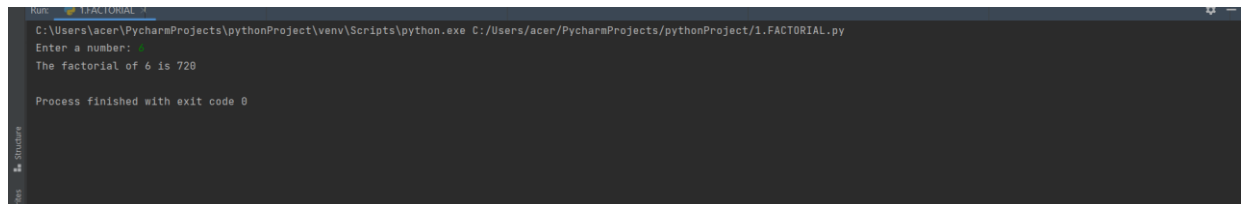


Aim:

Program to find the factorial of a number.

Algorithm:

```
num = int(input("Enter a number: "))
factorial = 1
if num < 0:
    print(" Factorial does not exist for negative numbers")
elif num == 0:
    print("The factorial of 0 is 1")
else:
    for i in range(1,num + 1):
        factorial = factorial*i
    print("The factorial of",num,"is",factorial)
```

Output:A screenshot of a Python terminal window titled "1.FACTORIAL.py". The window shows the execution of a program that calculates the factorial of a number. The user has entered "6" as input, and the program has output "The factorial of 6 is 720". The terminal also shows the file path "C:\Users\acer\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\acer\PycharmProjects\pythonProject\1.FACTORIAL.py" and the message "Process finished with exit code 0".

```
C:\Users\acer\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\acer\PycharmProjects\pythonProject\1.FACTORIAL.py
Enter a number: 6
The factorial of 6 is 720

Process finished with exit code 0
```