

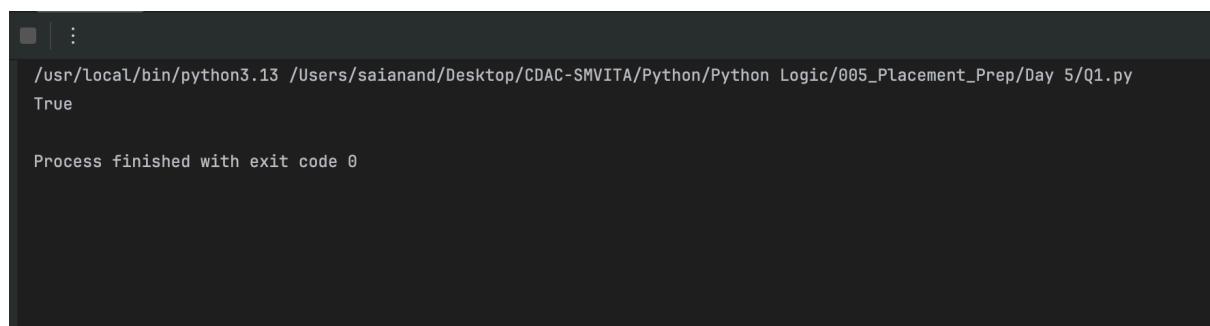
Q1) Write a Python function to check whether a string is a pangram or not.

Note : Pangrams are words or sentences containing every letter of the alphabet at least once.

For example : "The quick brown fox jumps over the lazy dog"

```
def pangram(str1):
    str1 = str1.lower()
    return set('abcdefghijklmnopqrstuvwxyz').issubset(set(str1))

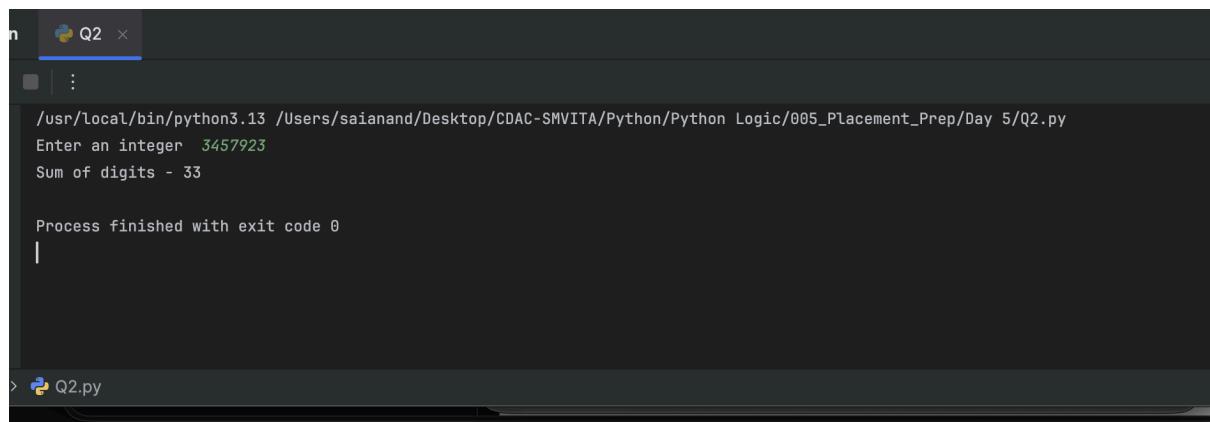
print(pangram("The quick brown fox jumps over the lazy dog"))
```



A terminal window showing the execution of a Python script named Q1.py. The command entered is "/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 5/Q1.py". The output shows the result of the function call, which is 'True', indicating that the input string contains all letters of the alphabet. The message "Process finished with exit code 0" is also displayed.

Q2) Write a Python program to calculate the sum of the digits in an integer.

```
num = int(input("Enter an integer "))
dsum = sum(int(i) for i in str(abs(num)))
print("Sum of digits - ", dsum)
```



A terminal window showing the execution of a Python script named Q2.py. The command entered is "/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 5/Q2.py". The user is prompted to enter an integer, and the value 3457923 is provided. The program calculates the sum of the digits (3+4+5+7+9+2+3 = 33) and prints it out. The message "Sum of digits - 33" is displayed. The process exits with code 0.

Q3) Write a Python program to sort three integers without using conditional statements and loops. [u can use built in functions for this]

```
a, b, c = map(int, input("Enter three integers: ").split())
```

```
sorted_numbers = sorted([a, b, c])
print("Sorted order:", sorted_numbers)
```

```
/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 5/Q3.py
Enter any three numbers: 34 59 001
Numbers in ascending order: [1, 34, 59]

Process finished with exit code 0
```